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ESTAB. 1859

REGISTERED AS A NEWSPAPER.

TELEPHONE: CENTRAL 3617;
TELEGRAMS: "CHEMICUS, CANNON, LONDON" (2 Words).

PUBLISHED WEEKLY AT 42 CANNON ST., LONDON, E.C.4.

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The Chemist & Druggist—August 27, 1921.

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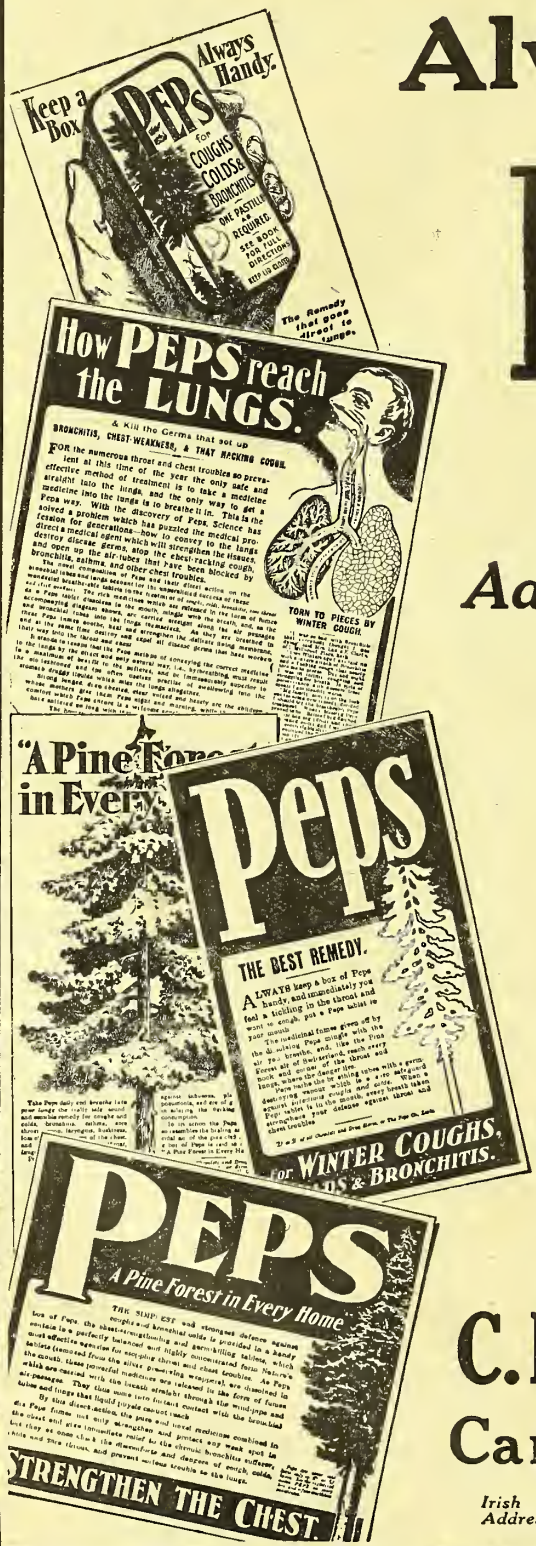

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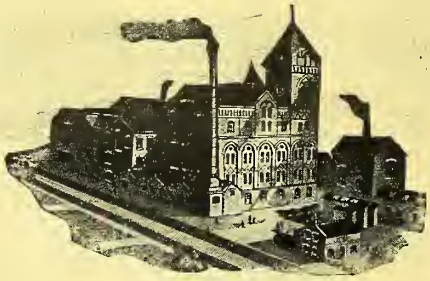
"John  Bull"
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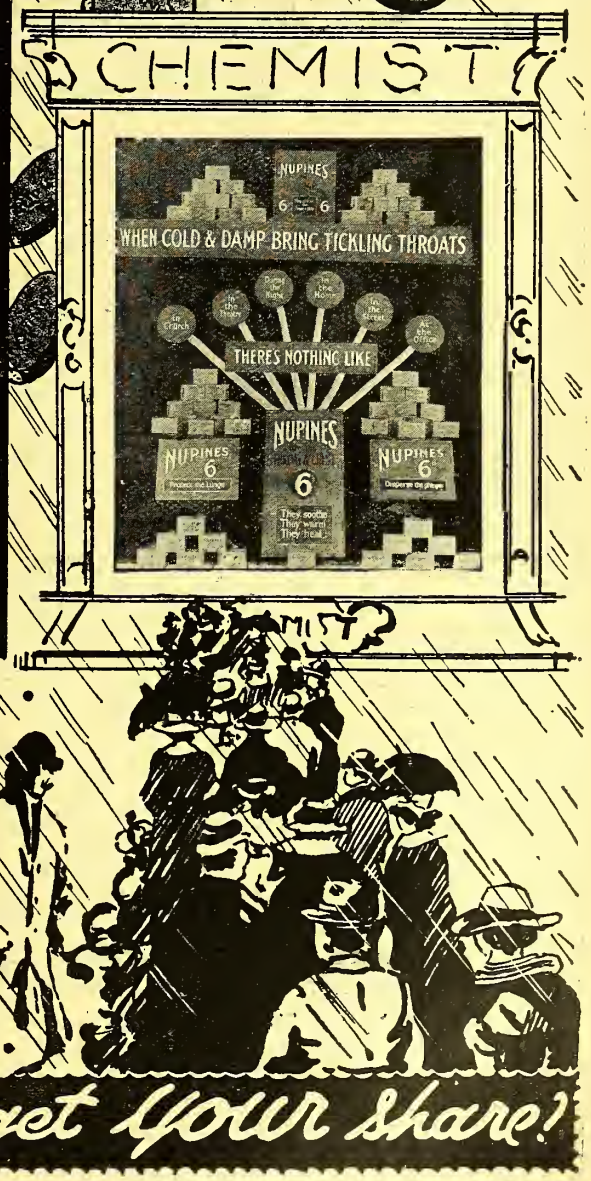

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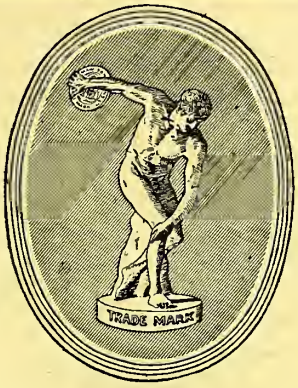
Maw's Page



Oct. 15, 1921 No. 522

The Future of Pharmacy.

NEW ideas, new methods, new enterprise, renewed energy on the part of the pharmacist, all these are essential to the future success of retail pharmacy, but the most important factor in this success is a lesson which the pharmacist must learn from past experience. What is the greatest enemy of pharmacy to-day ?—Is it not outside competition ? How many prosperous avenues of business has the pharmacist opened up, only to be deprived of his fair profits by retailers having no connection whatever with pharmacy ? It is for the pharmacist to decide now that this shall not continue. Demand loyalty from your suppliers ; see that when you build a business in a certain line of goods, that outside retailers cannot obtain these goods merely for the asking and thus rob you of repeat orders. Remember ; whenever you buy goods bearing the name of "Maw" you are building for future prosperity—other retailers cannot handle these goods, they are supplied only to chemists.

The name of "Maw," together with the subsidiary trade names used by the House of Maw—"Parex," "Velfin," "Meritor," etc., are the chemist's own property. The goodwill which these names have secured, through the sound quality of the goods to which they are applied, is bringing profits to your till.

Maw's is the chemist's ***own*** house—Maw's goods are the chemist's ***own*** goods.

Buy it from Maw's.

Telephone: City 7 Private Branch Exchange

Telegrams: Eleven Cent London

S. Maw, Son & Sons. Ltd.,
Aldersgate St., London.
and Barnet.

Cables: Eleven London

Code A.B.C. 4th & 5th Edition

Profitable WINTER Line.

"OWBRIDGE'S"

LUNG TONIC

Replenish stocks at once and secure the full benefit of the season's sales.

INSIST UPON HAVING THE ORIGINAL "LUNG TONIC"

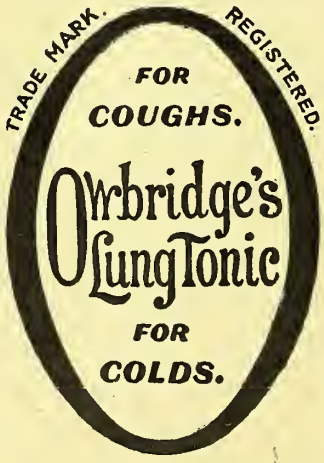
OWBRIDGE'S

This gives satisfaction to both Customer and Retailer. Every genuine packet bears our well-known Oval Trade Mark.

COST Price

	£.	s.	d.
1 gross 1/3	6	12	0
1 doz. 3/-	1	7	0
	£7	19	0

Carriage Paid
Terms C.W.O.



SELLING Price

	£.	s.	d.
1 gross 1/3	9	0	0
1 doz. 3/-	1	16	0
	10	16	0
Cost	7	19	0
Profit	£2	17	0

WE HELP YOU to sell the article by extensive advertising. Simply hand it over the counter—THE PROFIT IS GOOD.

Our advertising motor van will call on Retailers at an early date with showcards and advertising matter. Export prices on application.

W. T. OWBRIDGE LTD., The Laboratory, HULL.

The Winter Press Advertising is now in full swing!

EVANS' PASTILLES

WINDOW DISPLAY BONUS

FOR an order of 12 dozen and a guaranteed Window Display of a fortnight's duration *we offer:*

1. *A Bonus of 1 dozen.*
2. *A Window Display consisting of Pedestal, Cut-out, Showcards and Set of Window Slips to suit any size window.*
3. *5% discount, which is allowed off all £5 orders.*

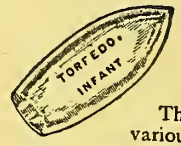
Under the above conditions the profit to the retailer *is no less than 52% on cost.*

If desired, the 12 dozen may be taken in two deliveries of not less than 6 dozen, the bonus being sent with second consignment.

EVANS SONS LESCHER & WEBB Limited

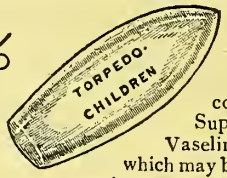
LIVERPOOL **New York** **LONDON**

KIRBY'S
CRYSTAL WHITE
GLYCERINE SUPPOSITORIES



Two Shapes:–
Torpedo and Conical.
Four Sizes:–
Infant, Children, Adult and Extra Large.
Sixteen Strengths:–
Torpedo:—
B.P. 15, 31, 54, & 90 minims.
90% 20, 40, 70, & 115 „
Conical:—
B.P. 12, 20, 40 & 80 minims.
90% 15, 25, 50 & 100 „
When ordering please state distinctly whether B.P. or 90% also shape required.

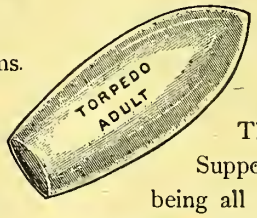
B.P. 70%
also
90%

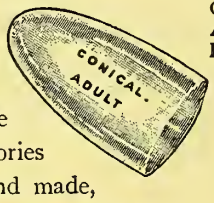


The various shapes and sizes illustrated are packed in Gold Lacquered Tins, each containing one dozen Suppositories and a tube of Vaseline, with engraved labels which may be in almost any colour to suit customers' taste.

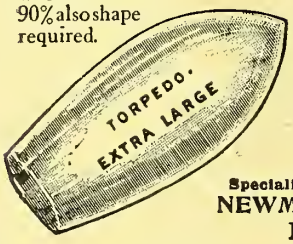
Price, B.P. or 90%, Either Shape.
Infant, 5/6 per dozen Tins.
Children, 7/- „ „ „
Adult, 10/- „ „ „
Extra Large, 14/6 „ „ „

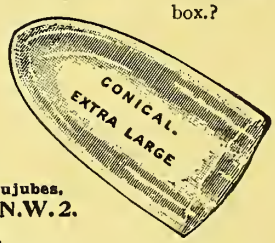
☞ Shall we send you a free sample box.?





These Suppositories being all hand made, the amount of Glycerine given as being in each Suppository must be taken as the approximate and not the absolute quantity.





H. & T. KIRBY & Co., Ltd.,
Specialists in Glycerine Suppositories, Glycerine Lozenges & Glycerine Jujubes,
NEWMAN HOUSE, WILLESDEN GREEN, LONDON. N.W.2.
Name & Address on Orders of 3 Dozen Tins.

LORIMER-MARSHALL, Ltd.
FOR YOUR
Winter Specialities

Lung Tonic, Children's Cough Mixture, Cod Liver Oil & Cod Liver Oil Emulsion, Honey & Lemon Linctus,
etc. etc.

Special Low Quotations for Season's Requirements.

LORIMER-MARSHALL, Ltd., 12 Tower Hill, E.C.3
Factories - Britannia Works, Cold Blow, Hatcham, S.E. 14

AYRTON'S WEEKLY PAGE 15

61% Profit—No Dead Stock

WHEN YOU SELL

P.K.L.

(PAIN-KILLING LINIMENT)

P.K.L. promptly relieves all cases of Rheumatism, Gout, Lumbago, Sciatica, Coughs, Colds, Strains, Sprains, etc. Wherever introduced it firmly establishes itself as a household remedy.

SPECIAL OFFER.

With an order for one gross, *carriage paid*, we will send one dozen, free of charge, if an agreement is given to make a window display—showing a profit of 61%

In addition, we will send a good supply of showcards and window bills, also 200 descriptive letters bearing chemist's name and address, separately enclosed in an envelope with a blotter and booklet—each one a potential "sales maker."

On request only we will send a sales-compelling lantern slide, beautifully hand-coloured, lettered with chemist's name and address—an effective aid to "more business."

P.K.L. is price protected.

P.A.T.A. - -	per bottle	**1/6**
Wholesale - -	per gross	**144/-**

Take advantage of this Special Offer to-day!

Do you "Screenvertise"? Write for free copy of Screenads.

AYRTON, SAUNDERS & CO. LTD

Manufacturing Chemists **Hanover Street, LIVERPOOL**

Telegrams: "SUNDRIES LIVERPOOL."

TRIDENT VIALS

ACCURATELY MADE BY MACHINERY.

TRADE MARK

Sold by all Wholesale Chemists' and Druggists' Sundriesmen

Please apply for price list and descriptive pamphlet from the sole manufacturers . . .

Johnsen & Jörgensen Flint Glass Ltd.

26 & 27 FARRINGDON STREET,
LONDON, E.C.4.

PASTILLE
POINTS 3.

The EFFICACY of
EMULSION ANTISEPTIC THROAT PASTILLES
(KERFOOT)

WE claim for Emulsion Antiseptic Throat Pastilles (Kerfoot) that they do everything a throat pastille can be expected to do.

In previous announcements on this page we have dealt with the externals of Emulsion Pastilles (Kerfoot), because the truth of our statements could easily be proved by personal observation. It is more difficult to demonstrate the Efficacy of a pastille, so much depends on individual circumstances, but there is one unfailing criterion, viz. : Sales.

Emulsion Throat Pastilles (Kerfoot) have never been advertised direct to the public, yet the demand for them has been continually on the increase for many years. This plain statement of fact is worth more as proof than any amount of theorising. Order to-day, 3/- per lb. Also sold in pocket tins.

0/138

THOMAS KERFOOT & Co Ltd.,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

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Armour's

Japanese Lacquer Xmas Caskets

Make Ideal Xmas Gifts

The "Major" Casket

contains

2 tabs.	"Lanolin" Complexion Toilet Soap.
2 ,,	"Certified" Complexion Toilet Soap.
2 ,,	"Transparosa" Glycerine Soap.
2 ,,	"Sylvan" Toilet Soap.
1 ,,	"Peroxide" Toilet Soap.
1 ,,	"Supertar" Shampoo Soap.
2 ,,	"Certified" Complexion Soap (small).
2 ,,	"Supertar" Shampoo Soap (small).
1 tin	"Sylvan" Talcum Powder (Violet).
1 ,,	"Sylvan" Talcum Powder.
1 box	"Luxor" Complexion Powder.
1 jar	"Creme" Luxor.
1 bottle	"Luxor" Smelling Salts.
1 tube	"Luxor" Tooth Paste.
1 ,,	"Luxor" Cold Cream.
1 box	"Luxor" Flexible Manicure Boards.
3 only	"Luxor" Orange Wood Sticks.
2 boxes	"Luxor" Nail Polishing Stone.

The "Minor" Casket

contains

1 tab.	"Transparosa" Glycerine Soap.
2 ,,	"Certified" Complexion Toilet Soap.
1 ,,	"Lanolin" Complexion Toilet Soap.
1 ,,	"Sylvan" Toilet Soap (Lilac).
1 ,,	"Sylvan" Toilet Soap (Sandalwood).
1 ,,	"Peroxide" Toilet Soap.
1 ,,	"Supertar" Shampoo Soap.
1 jar	"Creme" Luxor.
1 tube	"Luxor" Cold Cream.
1 ,,	"Luxor" Tooth Paste.
2 boxes	"Luxor" Nail Polishing Stone.
2 only	"Luxor" Orange Wood Sticks.

Price to Retailer:
35/- net
Delivered in U.K.

Cover Design.

Price to Retailer:
20/- net
Delivered in U.K.

Our supply of caskets is limited, and it may be necessary to withdraw them from sale soon. We advise buyers to place their orders at once for delivery on arrival.

ARMOUR & COMPANY Ltd.

Queen's House, Kingsway, London, W.C. 2.

Telegrams: "Armorum, Westcent, London." Telephone: Holborn 5900.

The A.B.C. of Value.

Absorbent Cotton Wool. N.H.I.

28 lbs.	56 lbs.	112 lbs.
1/3	1/2	1/1 lb.

Special Price for large quantities.

Bandages. N.H.I. White open wove.

1 in. x 3 yds.	1½ in.	2 in.	2½ in.	3 in.
6/2	11/6	15/4	19/2	23/-

4 in.	5 in.	6 in. x 4 yds.
30/8	38/4	46/- per gross.

Special price for large quantities.

Capsicum Chest Protectors (each in carton)

	Small	Medium	Large
Single	5/-	6/6	8/-
Double	10/-	13/-	16/-

Drop Bottles.

10	20	30 gr.
3/6	4/-	4/6 doz.

Elastic Web Bandage.

2 in.	2½ in.	3 in.	4 in.
7½d.	8d.	9½d.	1/1

per yard

Finger Stalls. Black leather bound.
3/6 per doz.

Gauze, hospital quality.

Dozen x 6 yds.	...	8/-
1 gross ,, ,,	...	7/6 doz.
5 gross ,, ,,	...	7/- ,,
100 yd. rolls	...	9/- each.

Hot Water Bottles.

10 x 6	10 x 8	12 x 8	12 x 10
3/9	4/3	4/9	5/3 each.

Injection Bottles. Enamelled and bone pipe.

2 oz.	3 oz.	4 oz.
14/-	16/-	17/- doz.

Jaconet, Grey 44 in.
2/6 per yd.

Knickers, waterproof, for infants.
Serial 178 14/6 doz.

Lints.

	28 lbs.	56 lbs.	112 lbs.
Plain	2/10	2/8	2/6
Boric	1/11	1/10	1/9

per lb.
Special prices for large quantities.

Male Glass Syringes, each in case.

¼ oz.	½ oz.	1 oz.	2 oz.	3 oz.	4 oz.
4/6	5/-	8/6	11/6	30/-	42/-

per doz.

Nail Scissors. Straight or curved.
12/6 per doz.

Oiled Silk. Best green.
6d. 1/- 1 yd. boxes.
4/3 8/- doz. 3/9 each.

Pneumonia Jackets.
Size 1 7/- doz. Size 4 17/- doz.
,, 2 10/- ,, ,, 5 21/- ,,
,, 3 14/- ,, ,, 6 25/- ,,

Rubber Air Cushions.
Circular :—

12 in.	14 in.	16 in.	18 in	20 in.
5/6	6/3	7/-	8/6	10/-

Square :—

12 in.	14 in.	16 in.	18 in.	20 in.
5/10	7/-	8/6	10/6	12/9

each.

Syringes, enema, complete, boxed, black polished large bulb.
30/- doz.

Thermometers, clinical.

	2 min.	1 min.	½ min.
Ordy.	22/-	24/-	26/6 doz.
Lens,	24/6	27/6	30/9 ,,

Special prices for large quantities.

Urethral Syringes, Rubber. Vulcanite mount, elliptical shape.
1 oz. 12/6. 2 oz. 13/- per doz.

Vaccination Pads.
Child's, 2/6 doz. Adults, 4/- doz.

Whirling Sprays.
4/6 each. 48/- in doz. lots.

Zinc Oxide Plasters in envelopes, popular packing.
15/- gross.

Usual Terms. Price List on Application.

ROBERT BAILEY & SON, LTD.

49-51 CENTRAL STREET, LONDON, E.C. 1.

Telegrams :
"UNDISPUTED, FINSQUARE, LONDON."

Telephone :
CITY 8744.

American Essential Oils

We offer, for prompt shipment, in original packages or any size container desired :—

OIL LIMES

Distilled—Hand Pressed. Best West Indian Quality.

Oil Sweet Birch U.S.P.
Oil Spearmint U.S.P.
Oil Linaloe, Mexican
Oil Bay, West Indian
Oil Erigeron
Oil Wormseed

For particulars, etc., apply to:

E. GUILLEVIC & CO.
19 St. Dunstan's Hill, LONDON, E.C. 3
Exclusive agents for United Kingdom and France.

Manufacturers and Exporters

MAGNUS, MABEE & REYNARD, INC.

New York City U. S. A.

Shipkoff's Pure Otto of Rose

Nature ordained that Otto of Rose should have certain chemical and physical contents. Fakers design rose oils having the same contents, but they are not *Otto of Rose.*

Shipkoff's Otto of Rose is Nature's Otto.

Before placing your contract be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 & 4-oz. sizes.

ONCE TRIED—ALWAYS USED.

Highest Awards at all Universal Expositions, including Four Grand Prizes.

Shipkoff & Co., Kazanlik, Bulgaria.

Branch Office in Sofia.

Model Steam Factories in Kazanlik, Kalofer, Kerlovo and Rahmenlari. London Depot—

G. P. & J. BAKER, LTD., 5 Giltspur St., Newgate St., E.C. 1.

FOR
HIGH CLASS
Synthetic
OTTO of ROSE
ARTIFICIAL VIOLET & LILAC
at prices which DEFY Competition,
write to the
ACTUAL MANUFACTURERS,
ABDUL ISHMAL HAMIRA & Co. Limited
24, WHITE'S ROW, COMMERCIAL ST
LONDON, E.I. ENGLAND.

Samples and quotations on receipt of post card.
BRITISH AND COLONIAL REPRESENTATIVES AND BUYING AGENTS WANTED EVERYWHERE.

DODGE & OLCOTT CO., 20 MARK LANE, **LONDON, E.C. 3.**

THE **"D & O"** BRAND
is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu,
TONKA BEANS, Angosturas.

Phone— CITY 2468.

Telegrams— "EGDARF, FEN, LONDON."

DISTINCTIVE FEATURES OF

DE LUZY PERFUMES

1. Their trueness and durability
2. The dainty simplicity of their packing
3. The perfect finish of the bottles
4. The perfect fitting of the stoppers

ORDER A

£5 ASSORTED PARCEL

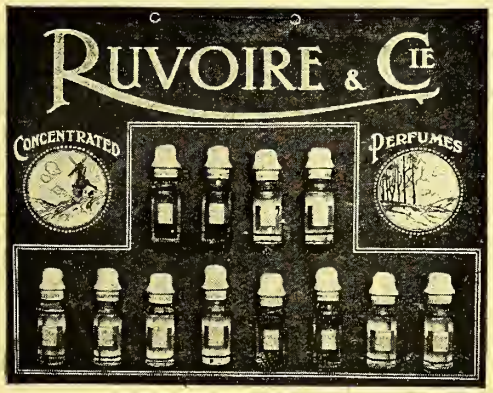
Visit our Showrooms when in Town.

DE LUZY (London Office)

3 LONDON WALL AVENUE, E.C.2.

W. H. CALNAN - - - - General Manager.

"A Line That Sells Itself."



Finest Quality Concentrated Perfumes made from natural flower oils in the following odours:—

PARMA VIOLET	WHITE LILAC
LILY OF THE VALLEY	WHITE ROSE &
WALLFLOWER	SWEET PEA

Free from spirit. Supplied in High-Class Rod-Stoppered Hexagon Bottles.

Apply to—

RUVOIRE ET CIE,

154 Church Lane, Harpurhey, MANCHESTER.

It's the Perfume in your Preparation that sells it

'PREEMO'

CONCENTRATED ESSENCES AND COMPOUNDS

The chief ingredient in Toilet Preparations is the Perfume, in fact it is really *the* thing that counts. No matter how fine the other ingredients may be, your preparations will not please your customers if they are not distinguished by attractive and charming odours. You will thus appreciate the importance of using only the most reliable Essences.

In this connection you cannot do better than follow the lead of the world's foremost Toilet Preparation Specialists and regularly use Preemo Essences. They are always dependable. Charming in Odour. Easy to mix. Soluble in water, Spirit and Oil, and Very Economical to use owing to great concentration.

Send for FREE Samples.

PREEMO CONCENTRÉ & ESSENTIAL OIL CO.

63 High Holborn, W.C.1. Telephone: Chancery 8095.

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Distillers of Essential Oils, and Manufacturers of Synthetic Chemicals, Pharmaceutical Products, etc.

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AMYL SALICYLATE
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HELIOTROPINE
IONONE
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METHYL HEPTINE CARBONATE
MUSKS
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PHENYL ETHYL ALCOHOL
RHODINOL
SAFROL
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VANILLIN
&c. &c.

ALMOND, CORIANDER, DILL, FENNEL, LEMON, MANDARIN, PEPPERMINT, LAVENDER, SAVIN, etc., in Stock.

GERALD BROMAGE & CO., Ltd., 9/10 Foster Lane, E.C. 2

Telephone: City 4719. Telegrams: "Gerbromco, Cent, London."

JAKSON'S PEPPERMINT, LAVENDER & CAMOMILE OILS

are the BEST.

Produced and Prepared by

THE LARGEST GROWERS & DISTILLERS IN ENGLAND.

Distillery:

J. JAKSON & CO. (Mitcham Rd., 1921), LTD.
Mitcham Road, WEST CROYDON.

AGENTS for the U.K.:

F. NEWBERY & SONS, LTD.
27 & 28 Charterhouse Square, London, E.C. 1.

ESSENTIAL OILS

Synthetic and Artificial

PERFUMES

TERPENELESS SOLUBLE OILS

A Speciality.

SOCIÉTÉ FRANCAISE DE PRODUITS AROMATIQUES
(Anc. Etabl. GATTEFOSSÉ)
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FORWOOD & DONALDSON, 26 Ropemaker St., Finsbury, London, E.C.1 [1]

CHEMICAL WORKS ROERMOND

H. RAAB & CO.

ROERMOND, HOLLAND.

Manufacturers of

Base Perfumery Products and Flower Oils.

- RACO -

MUSK AMBRETTE c.p. 100 %

MUSK KETONE c.p. 100 %

MUSK XYLOL c.p. 100 %

OLEUM-MUSK art.

generally regarded as the

STANDARD.

Sole Representative for the U.K.:

ALFRED PAUL WHITE, 5 Water Lane,

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K. B. MAVLANKAR

Telegraphic Address:
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Codes:
ABC, 5th; BENTLEY'S

ESSENTIAL OILS
Synthetic Chemicals
Natural Flower Oils
Artificial Flower Oils
MUSK. AMBERGRIS.
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Telephone:
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Sole European Agent to
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PRODUCTS, LTD.,
Mysore, S. India.

Sole Agent in U.K. to
Messrs. POLAK &
SCHWARZ, Ltd.,
Zaandam, Holland,
AND
DITTA MARIO DE
PASQUALE, Messina.

26-27 Hatton Garden - - LONDON, E.C. 1.
And at 29 CORPORATION STREET, MANCHESTER.

ROURE BERTRAND FILS, GRASSE. *Established 1820.*
LAVENDER (French), SPIKE LAVENDER (French and Spanish)
NEROLI, GERANIUM (African and Bourbon), SANDALWOOD, PETITGRAIN (French and American),
VETIVER (Java and Reunion), ROSEMARY, BOIS DE ROSE FEMELLE, YLANG, &c.
ORRIS CONCRETE and LIQUID.
ESSENCES, SOLIDES and LIQUIDS from flowers. RESINOIDS and POMADES.
We have Stocks in London of the most important Essential Oils and Perfumery Products.

JUSTIN DUPONT, Argenteuil (S. & O.), France
Makers of SYNTHETIC PERFUMES
and some of the finest original odours extant, for Sachets, &c.
SOLE AGENTS FOR THE UNITED KINGDOM:
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Wholesale Houses only supplied.

CHLOROPHYLL

HIGHEST QUALITY. ABSOLUTELY PURE. UNIFORM DELIVERIES.

CHLOROPHYLL C. Oil soluble. Blue Shade.
CHLOROPHYLL CG. Oil soluble. Yellow Shade
CHLOROPHYLL S. Water and spirit soluble.

THE SANDOZ CHEMICAL CO. LTD., BRADFORD.

Order at once for the Christmas Trade.

The Perfume which has captivated the Public!

Oriental Poppy Buisson

An Eastern Perfume of wonderful fragrance and great lasting power, packed in dainty bottles and cartons.

Bath Salts

Brilliantine

Absolute Perfume
(without Alcohol)

Perfumed Cards

PRICES & TERMS ON APPLICATION.

BUISSON FRERES, LONDON, PARIS & GRASSE.

SOLE PROPRIETORS—

W. J. BUSH & CO., LTD.

ASH GROVE, HACKNEY, E.8.

When visiting London, you are cordially invited to call at Ash Grove to see our Showroom, where all our Novelties are artistically displayed.

Can You Dress a Nildé Window?

£115 are offered in prizes by Nildé, of Paris, through their English Agents, The Regent Toilet Co., of 8 Blenheim Street, New Bond Street, W.1, for the best-dressed Nildé window during the week November 18——25.

Prizes will be allocated as follows :—

A First Prize of £30.

2nd Prize £15 3rd Prize £10

4th „ £5 5th „ £5

and 25 Prizes £2.

There are no conditions. All you have to do is to make a Nildé display, and the proprietors will help you by sending a quantity of advertising material.

Still more interesting is the fact that you can get a special **£4 10s.** parcel of Nildé products for **£2**; but if you send in a winning snapshot you will thus get the parcel for nothing.

Only one special parcel will be sent to any competitor, and no orders for special parcels can be executed after November 18.

The Special Window Display Parcel contains :

	Size		Retail Price per doz.	Value
POUDRE NILDÉ	small	1 doz.	12/-	12/-
„ „	medium	¼ „	24/-	6/-
„ „	large	¼ „	42/-	10/6
ROUGE INVISIBLE NILDÉ		¼ „	18/-	4/6
CRÈME DE BEAUTÉ NILDÉ	small	½ „	24/-	12/-
„ „ „ „	large	½ „	36/-	18/-
SAVON NILDÉ		1 „	12/-	12/-
NILDÉ LIP SALVES — Pommade des Lèvres White ...		⅓ „	9/-	3/-
„ „ „ Rouge ...		½ „	12/-	6/-
„ „ „ Carmin ...		½ „	12/-	6/-
				£4 10 0

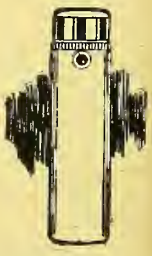
Actual Net Cost £2 0 0

Full particulars can be obtained from—

The Regent Toilet Co.,

8 Blenheim Street, New Bond Street, London, W.1.

Every box contains a puff.



Nildé Goods

are

Quick Sellers.

The quick turnover means a considerably greater profit than the discount.

Nildé preparations are quick sellers, and the continuous turnover is ensured by the persistent advertising campaign.

Poudre Nildé is good enough to sell on its merits, but with the added attraction of the most practical form of packing—the sifter box—it is the quickest selling line on record.

All other Nildé preparations are beautifully packed and are of the highest merit.

All Nildé Goods show 33⅓ % profit.

ORDER THROUGH YOUR WHOLESALE HOUSE

NILDÉ, Paris

British and Colonial Agents:

8 BLENHEIM ST.
LONDON, W.1.

HOVENDEN'S TOILET PREPARATIONS

Exceptional Value.

ATTRACTIVELY FINISHED.

No. 4819.

BAY RUM & CANTHARIDINE

No. 4817.
2½ oz. (about)
6/9 dozen.

No. 4818.
4 oz. ditto
8/9 dozen.

No. 4819.
6 oz. ditto
10/6 dozen.

No. 4801.
FOR WET SHAMPOOING.
1/3 size, 4 oz. about (with Sprinklers), **8/3**doz. **96/-** grs.

EMULSIFIED COCOA NUT OIL DRY SHAMPOO

No. 4816.
4 oz. (about)
10/- dozen.
9/9 by 3 ,,
9/6 by 6 ,,

No. 4816.
Customer's Name & Address printed on 6 dozen assorted sizes, free of extra charge.

THE VERY LATEST.

CRYSTALLISED (Solid) BRILLANTINE
in attractive tins, well perfumed.
No. 4813. **8/-** dozen. **90/-** per gross.

Special Quotations for Quantities.
Illustrations are about half actual size.

Special Quotations for Quantities.
Illustrations are about half actual size.

Subject to 2½ % discount. A copy of our Monthly Illustrated List will be sent on application.

R. HOVENDEN & SONS, Ltd.

29, 30, 31, 32 & 33 BERNERS ST., OXFORD ST., W. 1. Tel.: Museum 2810 (3 lines).
And 89, 91, 93 & 95 CITY RD., FINSBURY, E.C. 1. Tel.: 6260 London Wall (2 lines).
LONDON.
***Factory;* 41 to 53 BRITANNIA ROW, ISLINGTON, N.**

MORNY

COMPLEXION POWDERS & BATH DUSTING POWDERS

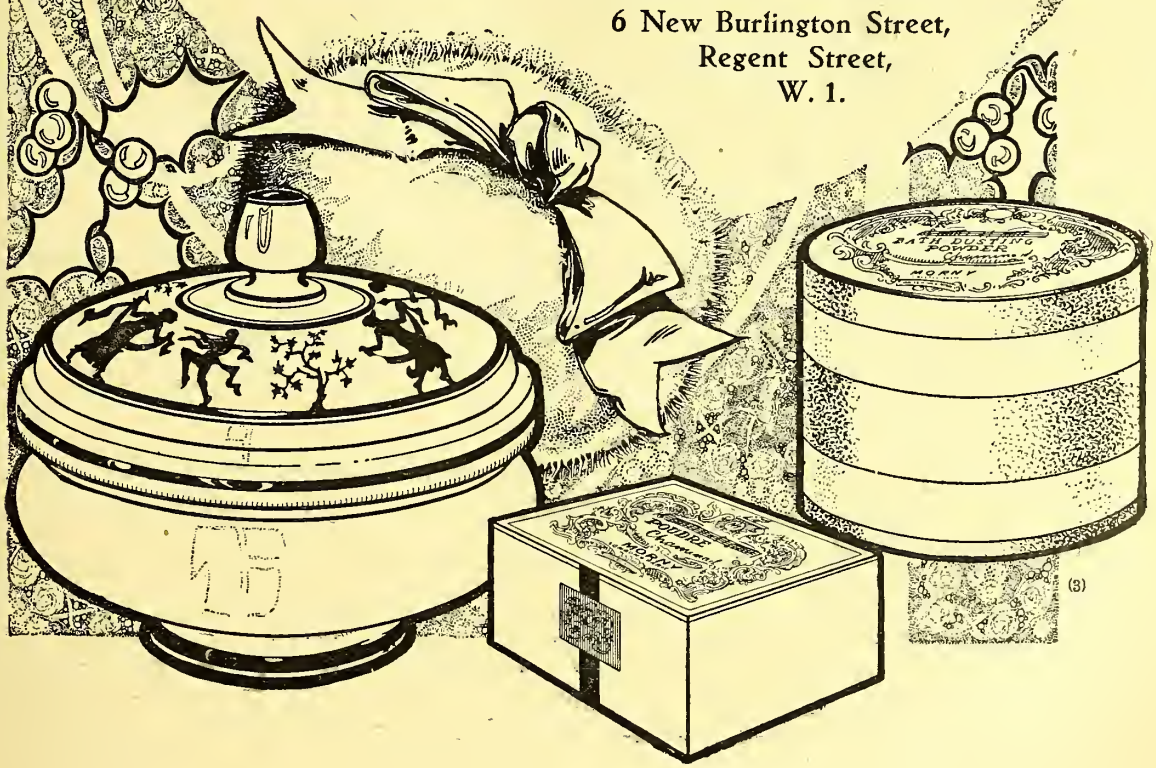
produce a higher percentage of REPEAT ORDERS than any other Toilet Preparations. You can stock no higher quality or more artistically presented products.

They are produced in a variety of original MORNY Odours and favourite flower fragrances, including "Chaminade," "Mystérieuse," "Sérénade," "La Valse," "June Roses," "Rose-Verveine," "Violette-Morny," &c. &c.

Write for Price List and Terms to:

MORNY FRÈRES LIMITED

6 New Burlington Street,
Regent Street,
W. 1.



(3)

Parfumerie **Bourjois** *Paris*

The Celebrated

Ashes of Roses

(Solid Face Powder)

No. 2.

Price: 15/- per doz.

P.A.T.A. Price: 1/9 per box.

A. Bourjois & Cie, Ltd., 66 Carter Lane, London, E.C. 4.

Also manufacturers of the famous POUDRE de RIZ de JAVA { No. 45, 10/- per doz. P.A.T.A. 1/3 per box. No. 495, 7/- per doz. P.A.T.A. 10½d. per box.

"Derbac"

DISINFESTANT

SHAMPOO SOAP

THE APPROVED REMEDY FOR PEDICULOSIS

Quickly destroys Pediculus Capitis, Pediculus Corporis, Phthirus Pubis, Sarcoptic Scabies, and the Embryo in the Nit.

P. A. T. A.

Awarded Royal Sanitary Institute Medal, June 19, 1921.

6d. Tabs. **50/-** gross. 1/- tabs. **85/-** gross.

NON-TOXIC. NON-IRRITANT. SIMPLE AND SAFE.

Write or Phone 934 Bank for further particulars.

SAPON SOAPS, LTD.

LONDON BRIDGE, E.C. 4.

The Demand for

SIMMS' SET-IN-RUBBER

SHAVING BRUSHES

has been phenomenal. Every shipment has been heavily oversold before arrival. We can supply certain numbers at once. Our stocks will not be completely re-established until early November.

A range of over 100, retailing from

2/3 to 63/-

each.

Discount:

33⅓ %

Each in Box.

Each Guaranteed.

Showcards and Window Bills supplied.

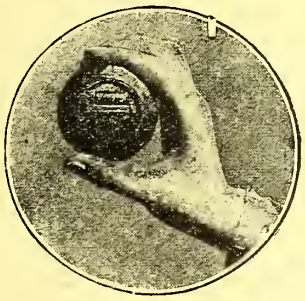
ORDER A TRIAL RANGE OF A STATED NUMBER AT SUITABLE RETAIL PRICES.

BEAVERPUFS

The dainty leather and fur puffs, complete with powder. One of the fastest selling counter lines. PROFIT 1/1 on a single sale.

4/6 P.A.T.A. Retail.

36/- Dozen in display Boxes.



W. H. CALNAN & CO., LTD.

30 & 32 LUDGATE HILL, LONDON, E.C. 4.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY - For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
SILMERINE - - Hair curling fluid.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo.	22/6	2/6
JETTALINE - - - For clearing the skin.	31/6	3/6
PHEMINOL - - - A depilatory.	36/-	4/-
TEKKO PASTE - - Camphor cream.	22/6	2/6
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX - A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads.	36/-	4/-
BARSYDE - - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair.	22/6	2/6
LIQUID PERGOL - - To check excessive perspiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
COCONOIDS - - For figure development.	31/6	3/6
HARAPOSA - - - Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES:

AUSTRALIA:
ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON, Ltd.
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg).

INDIA:
KEMP & CO., Ltd. (Bombay).
THE INTERNATIONAL TRADING CO., Princess Street (Bombay).
R. MACLURE (Madras).
SMITH, STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta).
JAMNADAS BROS. (Bombay).

NEW ZEALAND:
SHARLAND & CO., Ltd. (Auckland & Wellington).

SOUTH AMERICA:
DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

LINES THAT SHOW GOOD PROFITS.

Taylor's Cimolite Preparations.

50 YEARS' REPUTATION.

Of exquisite daintiness and purity. For many years extensively used by the highest families, both as Toilet and Nursery requisites, and supplied regularly to a wide clientèle of Royal and Noble families.

CIMOLITE TOILET POWDER.
Boxes, 1/1½ (per doz. 9/6)
Tins, 3/-, 5/6, 11/- (per doz. 27/-, 49/3, 96/-)
Bottles, 3/3, 6/6 (per doz. 30/-, 55/6)

CIMOLITE TOILET CREAM.
Collapsible tubes, 1/3 (per doz. 11/6)

CIMOLITE SOAP.
Per tablet, 8d.; per box, 2/- (per doz. 3 tab. boxes, 20/-)

CIMOLITE FACE POWDER.
Boxes, 1/1½ (per doz., 9/6)
Tins, 3/- (per doz. 27/-)
Bottles, 3/3 (per doz. 30/-)

CIMOLITE SOAP (Violet-Scented)
Per tablet, 8d.; per box, 2/- (per doz. 3-tab. boxes, 20/-).

CIMOLITE SHAVING SOAP.
Sticks, 1/3 (per doz., 11/6)

SHOWCARDS and Counter Bills on application.

NOW ON THE P.A.T.A.

Cimolite Preparations are stocked by all wholesale houses.

PREPARED ONLY BY

JOHN TAYLOR, Manufacturing Chemist,
30 BAKER STREET, PORTMAN SQ., LONDON, W.1.

REGULAR REPEATS FOR

BRILLIANTINES.
CLEAR, WELL-PERFUMED, White Opaque Viscose Caps—1½ oz., 45/-; 2½ oz., 78/-; 4 oz., 114/- per gross. SEPARATING, 6/- gross extra.

LIME CREAM.
GOOD THICK QUALITY, WELL-PERFUMED, White Opaque Viscose Caps.—3 oz., 48/-; 4 oz., 54/-; 6 oz., 63/-; 8 oz., 84/- per gross.

BAY RUM.
GOOD SPIRIT PERCENTAGE, FULL BOUQUET, Viscose Caps.—2 oz. tall white flint panels, 51/- per gross.

EMULSIFIED COCOANUT OIL SHAMPOO.
EXCEPTIONALLY GOOD QUALITY—EQUAL TO ANY AT DOUBLE THE PRICE.—3 oz. Round, 78/- per gross; 4 oz. Panels, Viscose caps, 90/- per gross.

Samples of 1½ oz. Brilliantine, 3 oz. Lime Cream, Bay Rum and 3 oz. Emulsified Cocoanut Oil Shampoo *post free* upon receipt of P.O. for 2/-.

Terms 7½% for cash or 5% monthly approved accounts. Freight paid on £3 orders. PACKAGES FREE.

C. A. STOKES & CO. LTD.
No. 11, Eclipsol Works, BRISTOL.
London Showrooms: 11 City Press Chambers, 149 Aldersgate Street, E.C.1

You have never before been able to supply your customers with these famous lines

THEY are the "Cyclax" Preparations for the Skin, the same as used in the famous "Cyclax" Treatments which have won world-wide renown. Up to the present "Cyclax" Preparations for home use have been sold direct to the public. Now the demand has become so enormous that the retail trade have the opportunity of sharing in this big business.

"Cyclax" Preparations which include "Cyclax" Skin Food, "Cyclax" Special Lotion, "Cyclax" Face Powder, "Cyclax" Blended Lotion, the "Cyclax" Chin Strap, are advertised largely in the press, including *The Daily Mail*, *The Daily Mirror*, etc., and from all over the country Chemists and Druggists are writing to us for supplies. We have decided to sell through the Retail Trade and invite application for full particulars and terms from readers of *The Chemist and Druggist*.

The "CYCLAX" Beauty known to all Women.

"Cyclax" Preparations are compounded of the very finest ingredients and are put up in beautiful containers that suggest their superfine quality.

Outside and inside they are the most attractive lines you can handle.

Write to-day for particulars and terms.

"Cyclax"

58 South Molton Street, LONDON, W.1.

Telephones: Mayfair 3972; Mayfair 54.

New York: B. ALTMAN & CO., 5th Avenue.

The Original Solid Eau de Cologne.
The World's Great Perfume and Refresher in Solid Form.

MERIT SELLS THESE

FROZOCLONE

The Original Solid Eau de Cologne.
Retails (P.A.T.A.) 3/6, giving at least 10d. profit on each sale.
32/- per doz.

For Export Quantities of not less than 4 gross a further substantial allowance will be made.

Also

SOLID ENGLISH LAVENDER

Same Style and Prices.

ANALAX

(Reg. Pat. No. 310716)

The Ideal Fruity Laxative in Pastille Form.
DELICIOUS. RELIABLE. EFFECTIVE.
Retail (P.A.T.A.) Minimum **2/3**
21/- per doz., stamped.

NAIL POLISH

with new and distinctive features.
Antiseptic, softens the cuticle, lasting and brilliant polish.
Retails (P.A.T.A.) 1/3
15/- per doz.

R. Demuth's Laboratories,

68 Salusbury Road, and Montrose Avenue,
LONDON, N.W. 6.

GENUINE GILLETTE BLADES

(U.S.A.)

All new, not American Army stock.

Whilst stock lasts, **36/-** per box of **10** doz.

Ca h with Order.

PARSONS 3 Church Rd., Yardley, **BIRMINGHAM**

ENLARGING

FOR THE TRADE.

We specialise in Dainty Enlargements; the class that satisfy customers and build bu iness.

Write for Trade List (D.) to-day.
Prompt Deliveries. Ample Profit.

Wallace Heaton Ltd
INCORPORATING WATSONS CAMERA HOUSE

CHANGE ALLEY, SHEFFIELD.

THE **ORIGINAL**

USUAL WHOLESALERS, OR

SECKER, ROBB & CO.

Cromwell House,
SURREY STREET, W.C. 2.

Telegrams: "Tinophiz, London."
Telephone: Central 2420.

J. MARGERISON & CO.

TOILET SOAP MANUFACTURERS, PRESTON,

WANT 10,000 Chemists to send postcard for free sample box of MARGERISON'S ASCOT TOILET SOAP, delightfully perfumed, artistically wrapped and boxed. As an Xmas line it is sure to have a large sale as, retailing at 1/-, it is the best value in the world, while at the same time it leaves the retailer a first-class profit. Price 8/- per dozen boxes, subject to discount.

¶ To each applicant we shall also send sample of our Marcura Shaving Stick refill.

Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone." A big vigorous impressive advertising campaign, covering the whole of the British Isles, is now being pursued. A vastly increased volume of business is inevitable. Generous profit to the trade has been arranged.

TATCHO
THE HAIR GROWER
Price 2/9

Wholesale: **26/-** PER DOZEN.

TATCHO-TONE
FOR GREY HAIR
Price 4/6

Wholesale: **42/-** PER DOZEN.

GEO. R. SIMS' HAIR RESTORER CO.
5 Great Queen St., Kingsway, LONDON, W.C.2.

REAL SELLERS

Anzora Viola is suitable for dry scalps.

are Anzora Cream and Viola. More men use Anzora every day, and sales continue to mount rapidly. We help you in every way by consistent press advts., posters, show-cards and literature.

TRADE TERMS.

12/- per doz. Retail at **18/-**
20/- ,, ,, ,, ,, **30/-**

ANZORA VANISHING CREAM is another popular line.

Trade Terms as above.

If any difficulty in obtaining quick supplies from Wholesalers, write to us direct. We assure prompt delivery.

Anzora Cream is suitable for slightly greasy scalps.

ANZORA
Masters the Hair

Anzora Perfumery Co., Ltd., Willesden Lane, London, N.W.6

"CUTEX"

Manicure Preparations

No.			P.A.T.A.
1.	"Cutex" the Ideal Cuticle Remover, Small	18/-	2/-
2.	" " " Large	36/-	4/-
4.	" Nail White ...	18/-	2/-
5.	" " Polish Cake, White	18/-	2/-
6.	" " " Pink	18/-	2/-
7.	" " Trial Size	5/6	7½d.
22.	" Nail Polish Stick, in metal tube	8/9	1/-
8.	" " Powder	8/9	1/-
9.	" Polishing Paste, Pink	18/-	2/-
10.	" " " Plain	18/-	2/-
11.	" Liquid Nail Enamel	22/6	2/6
13.	" Cuticle Comfort ...	18/-	2/-
14.	" Nail Bleach Powder	18/-	2/-
15.	" " Rouge ...	18/-	2/-
16.	" Compact Manicure Set	27/-	3/-
17.	" Travelling " "	84/-	9/6
18.	" Boudoir " "	168/-	19/-
31.	" Cold Cream ...	18/-	2/-

Henry C. Quelch & Co.

4 & 5 Ludgate Sq., London, E.C.4

SOLE AGENTS FOR THE

Northam Warren Corporation, Ltd.

Montreal and New York.

IRISH REPRESENTATIVE:

K. O'Sullivan, 31 Wicklow Street, Dublin,

where a large range of samples may be seen.

You cannot deliberately ignore the Cheapest Market if you are a keen Buyer ! ! !

Therefore, why not let Us quote You ?

We are actual manufacturers of all kinds of Powder Puffs in Down or Wool, and can guarantee to give you satisfaction both as regards High Quality and Prices. Our Prices, which defy competition, are a consequence of keen buying in the right markets, the benefit of which we accord to our customers.

Therefore our regular Prices are the lowest **always** and do not stand cutting ! ! !

Your enquiries welcomed.

We also SPECIALISE in

MANICURE REQUISITES

NAIL POLISHERS FAVEUR RIBBONS

PERFUME LABELS, "Le Relief" Paris.

We can show you the latest Paris Creations.

DRUGGIST SUNDRIES, etc.

Compact Powder, Nail Crayon and Paste, Vanishing Cream and Skin Food, Perfumery.

In Bulk or Packed ready for Export.

Samples and detailed Price Lists are sent upon request to **WHOLESALERS and SHIPPERS ONLY.**

NO RETAIL FIRMS WILL BE SUPPLIED.

J. R. BOURLAT, GOES & Co.

(Incorporating Wm. A. J. SHARPLES)

21 Clarendon Rd., Holland Park, London, W.11

Telephone: PARK 2592.

Laboratories: **4 Beatrice Road, Stroud Green, N.4**

LONDON PARIS BRUXELLES

TUSKOID

Superfine Cut—Non-Inflammable.

Fine Tooth Combs.

8/- 10/- 12/- per dozen.

Glass-fronted Showcase free with 3 dozen Combs, **£1 . 10 . 0**

GREATLY REDUCED PRICES.

The OSBORNE Dressing Comb.

Strong—durable—grailed finish.

Ivory White Dressing ...
" " Rake ...
Black Dressing ... ...
" Rake ... ...
Carded or Boxed ... ...

10/- doz.

Or Special Prices for Quantities.

COLOUR-PROOF SPONGE BAGS.

Assorted Art Shades, a Wonderful Seller.

Size 1. **4/6** doz. Size 3. **7/-** doz. Size 5. **10/6** doz.
" 2. **5/3** " " 4. **8/6** " " 6. **12/9** "

5% Discount. Cash with Order. Carriage Paid.

Monthly accounts opened if desired.

H. J. LEE & CO.

Osborne Works, LANCASTER.

THE SOAP FOR
"HIS MAJESTY" THE BABY

"Cook's"

"DORINA" (REGD.)

BABY SOAP

Especially prepared for the sensitive and delicate skins of young children.

Each tablet is wrapped and enclosed in an attractive carton.

Wholesale price, 48/- gross. Retails at 6d. per tab.

SUBJECT TO USUAL TERMS.

Every Chemist should stock ***the*** *Soap that suits baby's complexion.*

Edward Cook & Co., Ltd.

BOW, E.3

CELMO LIMITED

Proprietors of

CELMO AND CELMETZ

For Rheumatism, Gout, and all Uric Acid Ailments. In tablet form. Bottles 5/- Half-size 3/-

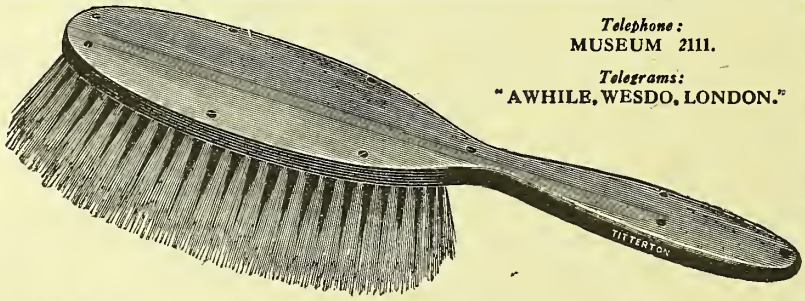
For Indigestion, Dyspepsia, Flatulence, and all Stomach Troubles. In tablet form. Bottles (*one size only*) 3/-

Supplies can be obtained from CELMO, LIMITED, 1 Carlton Street, London, S.W. 1, who will be advertising in the Press from October, 1921, onwards. See that you hold sufficient stock in hand to meet the demand.

HAIR BRUSHES

NAIL BRUSHES.
CLOTHES BRUSHES.
SHAVING BRUSHES.

Everything in the way of Brushes.



Telephone: MUSEUM 2111.

Telegrams: "AWHILE, WESDO, LONDON."

TITTERTON & HOWARD LTD., 8-10 GT. TITCHFIELD STREET, LONDON, W. 1.

The "CULMAK" SHAVING BRUSH Display Box

(No extra Charge).

Brushes cost 47/- P.A.T.A. Realise 70/6

AND THE BRUSHES SELL THEMSELVES.

ON THE CHEMIST'S COUNTER THIS SMART DISPLAY **ATTRACTS** THE CUSTOMER'S **ATTENTION.**

THE NOVEL, UNORTHODOX APPEARANCE OF THE BRUSH **AROUSES** HIS **CURIOSITY.**

THE PRICE AND THE **MAKER'S WARRANTY** ARE ON THE LABEL. **IT'S GUARANTEED ANTHRAX FREE. HE RISKS NOTHING!** HE **BUYS** ONE!

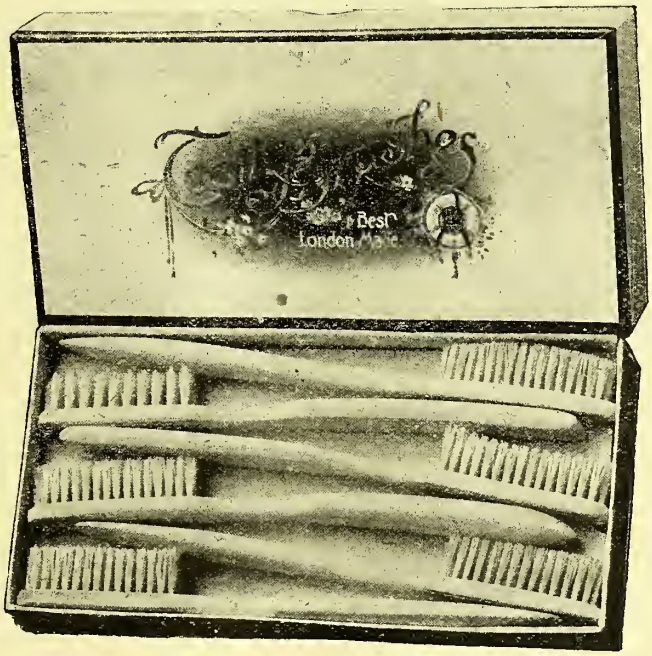
CHEMISTS! CULMAK CASES CAPTURE CUSTOM.

"BEST" TOOTH BRUSHES

(MADE IN ENGLAND).

Wm. ADDIS

Made Tooth Brushes **First in 1780**, since then **ADDIS TOOTH BRUSHES** have always been the **WORLD'S STANDARD OF EXCELLENCE.**



PRICE **18/-** PER DOZEN.

Can be obtained from Wholesale Houses if specified including the following, who hold Stock :

London : BUTLER & CRISPE. DAKIN BROS. MAY ROBERTS & CO. F. NEWBERY & SONS. R. J. REUTER. SANGERS.
Manchester : HEATH BROS. CHAS. HARRISON & SONS. QUILLIAM & CO.
Liverpool : AYRTON, SAUNDERS & CO.
Glasgow : MUNRO, M'LAREN & SUTHERLAND. LORIMER & MOYES.

Manufactured and Guaranteed by . . .

ROBT. ADDIS & SON, —LONDON— BRUSH WORKS,

LONDON FIELDS, E.8 ; and HERTFORD.

Telephone Nos. : DALSTON 2525 ; HERTFORD 71.

The "Cold" Season is approaching

WE HAVE A NOVEL REMEDY IN

PINE CATARRH CURE

For Inhalation from the Handkerchief or Pillow.

Packed in attractive Cartons at

7/6 DOZEN.

SHOWCARDS SUPPLIED.

MAY WE SEND YOU A SAMPLE ?

Peldo

(patent applied for)

Skin Cream.

USED FIRST, DEFIES DIRT.

The New Preparation which protects the hands from dirt is now being extensively advertised in the following papers :

"THE AUTOCAR." "THE MOTOR CYCLE."
"THE MOTOR." "THE LIGHT CAR & CYCLE CAR."
"THE MOTOR NEWS" (published in Ireland).

Are you in a POSITION to MEET THE DEMAND?

RETAIL PRICE.

1/6 EACH NET (P.A.T.A.)

Attractive Window Display material and Showcards supplied. Sample Tubes supplied gratis in proportion to quantity ordered.

WHOLESALE PRICE.

13/6 PER DOZEN

In order to introduce "Peldo" we are offering a special bonus for a guaranteed window display of not less than 14 days as follows :

On Orders of 1 gross a bonus of 18 full-size tubes.

On Orders of 6 dozen a bonus of 8 full-size tubes.

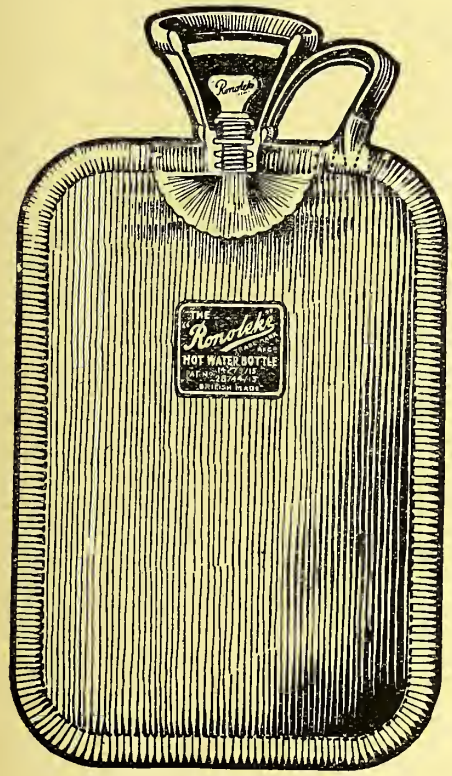
On Orders of 3 dozen a bonus of 3 full-size tubes.

Further particulars on application to—

C. R. HARKER, STAGG & MORGAN, Ltd.

Devon Wharf and Bell Wharf, EMMOTT STREET, MILE END, E.1.

"Ronoleke" links Quality with Profit!



Obtainable from Wholesale Houses, Sundriesmen, etc.

THE "Ronoleke" Hot Water Bottle has gained a unique reputation for its excellence of quality, which is unsurpassed.

It has been approved by the Ministry of Munitions and adopted on a large scale by the Military Authorities and the British Red Cross Society.

It is as perfect as human skill, materials and workmanship can make it—not one little detail has been overlooked in its design that is so "different." It has successfully stood the test of time, not only the searching tests of the makers, but of satisfied users in households all over the country.

This reputation of the "Roneleke" is your guarantee of the very best quality and workmanship. It is positively guaranteed never to leak at the neck unless wilfully damaged, and you know that guaranteed goods always make satisfied customers.

Look at the accompanying illustration and see why the "Ronoleke" has so many advantages over the ordinary type of Hot Water Bottle. Look at the rounded rubber flange, the projecting lugs of patent socket, embedded in built-up rubber. Look at the aperture at the base of the funnel, which makes it a real funnel, and look at the wide metal flange, which, like the projecting lugs, is embedded in built-up rubber.

These advantages allow "Ronoleke" to completely supersede all others as the only perfectly water-tight Hot Water Bottle. If you feature the "Ronoleke" this winter, you are assured of increased patronage and satisfied customers. They are sold at fixed minimum prices, which allow you a very handsome margin.

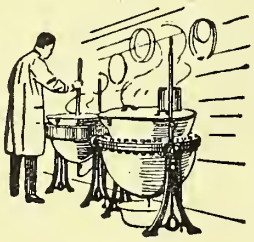
Obtainable from all leading Wholesale Houses and Sundriesmen. Prices protected by P.A.T.A.

The bottle of Proved Efficiency

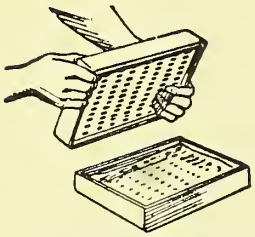
CAPSULES

WHERE & HOW THEY ARE MADE

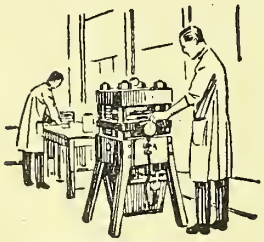
A VISIT TO MESSRS. POTTER & CLARKE, LTD., NEW WORKS where the latest and best machinery for the manufacture of the "WINGED LION" BRAND OF MEDICINAL CAPSULES & PERLES has been installed



The Steam Pans.



The Capsule Mould.



The Hydraulic Press.

THE Coat or Casing of the Capsule is made entirely from Gelatine and Glycerine. Only the finest crystallized gelatine is used which ensures the Capsule keeping good in any climate, and from becoming pitted or mouldy. The gelatine is dissolved in the glycerine in a steam pan and is poured into the hopper of a running machine. A series of bright metal plates are then pushed under the hopper and a supply of the hot liquid poured upon them. These pass through a gauge which regulates the thickness of the coat, which averages from one-sixth to one-tenth of an inch, according to the size of the capsule.

The liquid has now set to the consistence of a jelly upon the plates. These are removed to an oven to go through a course of baking to remove all excess of moisture. The Capsule Moulds are then arranged upon a hot table. These moulds consist of two steel dies fitting one above the other, with the shape of the upper and lower half of the capsule upon them. The number made at a time varies with the size of the Capsule—the following gives the number made in one pressing :—

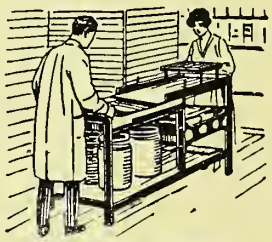
3 minims	280 capsules		15 minims	140 capsules	
5 ,,	210 ,,		20 ,,	140 ,,	
10 ,,	180 ,,		30 ,,	70 ,,	
	5 minim (perles)	240 perles.			

The gelatine sheets are then stripped from the plates and one is laid upon the bottom half of the mould. The medicament is placed upon it—if liquid it is measured—if in solid form it is weighed and spread evenly over the surface.

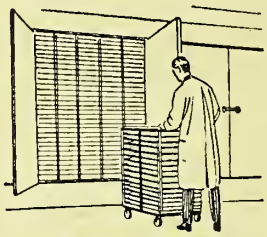
The second sheet of hot gelatine is placed on top of the medicament, all trace of air bubbles being carefully removed by careful manipulation and the top half of the mould is fitted.

The whole is placed in a powerful hydraulic press. A vigorous action of the pump soon raises the ram to the maximum pressure indicated upon the pressure gauge. This unites the two sheets of gelatine so that the join in the capsule is hardly noticeable.

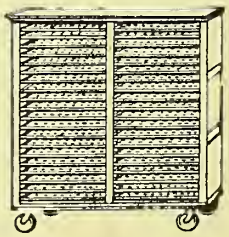
The Capsules are taken from the mould and are washed to remove any trace of the drug used in the manufacture being on the outside casing. The Capsules are laid upon trays to dry, and then polished. They are counted and packed in tins or boxes and are ready for sale.



The Running Machine.



The Baking Ovens.



The Drying Trays.

For export, all Capsules are specially hardened to withstand the various climatic conditions, the latter process being one of the so-called secrets of the trade. Probably each house has its own method of hardening but the use of spirit and air fans is the one in common use. The department is divided into two sections—Medicinal and Veterinary Capsules. The latter includes Capsules for large and small Dogs, Pigeons and Poultry, and some of the largest proprietary lines in the Country are now made here. *Price Lists sent on receipt of Business Card.*

POTTER & CLARKE LTD.

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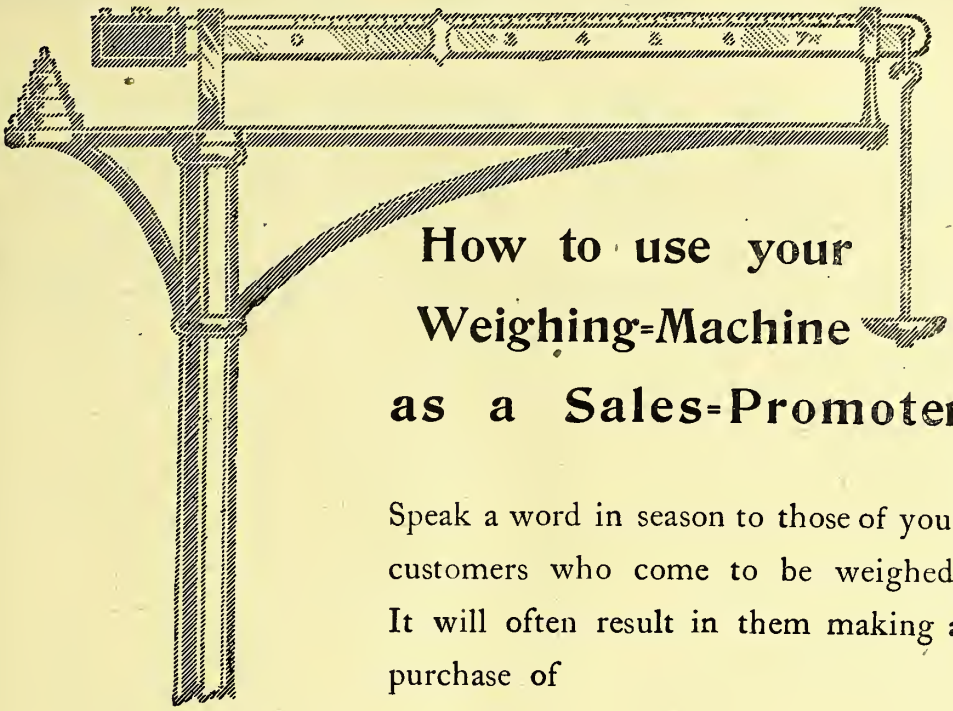
60, 62, & 64 ARTILLERY LANE · LONDON · E.1.
AND AT 24 LUNA STREET, GREAT ANCOATS, MANCHESTER.



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Speak a word in season to those of your customers who come to be weighed. It will often result in them making a purchase of

TRADE **'KEPLER'** MARK

Cod Liver Oil with Malt Extract

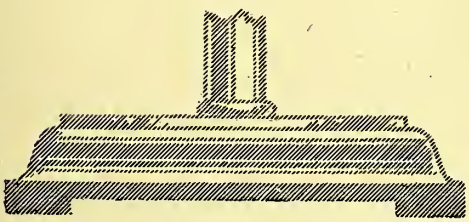
A food-tonic unrivalled in its flesh-forming properties.

Has a rapid and regular sale throughout the winter months, enjoying doubled popularity on account of its extreme palatableness.

Recommend it next time a customer comes to be weighed

Issued in bottles of two sizes, at **33/-** *and* **60/-** *per doz. (subject)*

BURROUGHS WELLCOME & CO.
LONDON



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THE CHEMIST AND DRUGGIST
ESTAB 1859

A WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES.

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

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TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, *9d.* post free; *Diary*, 10s. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martins Ltd."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 20s., franco.

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Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617 (3 lines).

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Known, Admitted, and Approved Remedies

FOLLOWING the practice which we started some years ago we propose to reserve space in the forthcoming issue of *The Chemist and Druggist Diary*, 1922, for the registration of formulas for "known, admitted, and approved remedies." Under the Medicine Stamp Act, 1812, such medicines, when sold by chemists, are exempt from medicine-stamp duty so long as the formulas are contained in recognised works of reference and proprietary rights are not claimed. A clear indication must be given on the label of the medicine to the published formula as evidence that the medicine is of the kind to which the exemption refers. *The Chemist and Druggist Diary* was the first book of reference recognised by the Board of Customs and Excise, after the British Pharmacopœia, and the *Diary*, being published periodically, affords an exceptional opportunity for chemists to add any fresh formulas for medicines coming within the definition of "known, admitted, and approved remedies." Chemists who desire to take advantage of this arrangement should forward true copies of the formulas with the titles and directions for use so that we can include these in the *Diary*. We shall attach the correct reference numbers to the formulas when they are published. The formulas, which must be written on one side of the paper only, should be sent not later than October 18, addressed to the Editor, *C. & D.*, 42 Cannon Street, London, E.C. 4.

English and Welsh News

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Panel Doctors' Fees

The following statement has been issued regarding the conference on October 11 between the Minister of Health and the Insurance Acts Committee of the British Medical Association:

A deputation of the Insurance Acts Committee of the British Medical Association met the Minister of Health this afternoon. Sir Alfred Mond said that his appeal to them was made on the grounds of the urgent necessity of national economy. He stated that the Government proposed to reduce the capitation fee of Insurance practitioners from 11s. to 9s. 6d. Dr. Brackenbury, on behalf of the Insurance Acts Committee, stated that the offer of the Minister of Health would be placed before the Panel Conference on October 20 for their consideration.

The Federation of Medical and Allied Societies have suggested to the Minister of Health that an independent committee should be appointed to inquire into, and report on, the working of the National Health Insurance Acts. A postscript to the letter states that, in addition to those signing, "a number of other medical societies represented in the Federation still have the matter under consideration, and a majority of the professional bodies representative of pharmacy, nursing, midwifery, massage, radiography, etc., all of whom are members of the Federation and intimately concerned with the matter, have expressed a wish to subscribe to the memorandum, which, accordingly, has been submitted to their executives."

Contracts

The following contracts have been accepted by the bodies named:

Barnstaple Guardians.—Mr. E. W. Proudman, chemist and druggist, quinine, etc.

Birkenhead Guardians.—Evans Sons Lescher & Webb, Ltd., Liverpool, drugs and sundries.

Reigate Guardians.—W. H. Fowler & Co., chemists, Redhill, drugs.

Stoneham Guardians.—W. Bates & Co., Ltd., chemists, Southampton, medical requisites.

Fires

The following outbreaks of fire have been recorded since our last report:

Curtains coming into contact with a gas-ring caused an outbreak of fire, on October 7, at the premises of William Fox & Sons, Ltd., chemists, Bethnal Green Road, London, E. 2. Slight damage only is reported.

The premises occupied by Henry W. Bush & Co., Ltd., druggists' sundriesmen, were involved in a fire which broke out in Commercial Street, London, E. 1, on October 7. The damage was not extensive.

Birmingham

Lord Hampton opened the winter session of the Birmingham Photographic Society on October 5. His address was illustrated by lantern slides bearing on his Palestine and Syria experiences.

The numerous shows which are held at this period of the year in the Bingley Hall are being taken advantage of by the vendors of veterinary medicines to advertise their specialities.

Hawkers of corn-cures, toilet-requisites, and so forth are already debarred from the use of certain streets in Birmingham for the purposes of their trade, and Birmingham's example is being followed by Worcester.

Leicester

Pharmacy won a decisive victory over Co-operative by five goals to *nil* in a football match played in Victoria Park on October 6. The goal-getters were Thacker (3), Ladkin, and Neal.

Ex-service candidates for the Preliminary examination prizes offered locally by the Pharmaceutical Society number thirteen. The examination is to be held in the Municipal Technical School.

C C

Liverpool

In trade circles a feeling of growing optimism is noted.

The death is announced of Mr. Evan Thomas, a well-known Liverpool surgeon.

Mr. T. Fell Abraham presided, on October 8, at two meetings held at St. George's Hall in connection with the "World Service Exhibition."

Mr. H. M. Wood, formerly in business at Audley, Staffordshire, and latterly a member of Messrs. Evans's showroom staff, has acquired from Mr. D. Roger Rowlands his branch pharmacy at 108 Chester Street, Birkenhead. Mr. Rowlands retains his central pharmacy. Mr. Wood's shop is situated in a district commanding a brisk retail and panel business.

On the prolonged illness of one Liverpool pharmacist being mentioned to another this week, he replied: "We were fellow-students and friends together at the Bloomsbury Square School of Pharmacy forty-four years ago, and have both been in Liverpool for four decades, but we have never met in this city!" Both have been busy men, one taking upon his shoulders much public work, and the other being fully occupied in business.

Manchester

The final ramble of the Manchester, Salford and District Chemists' Assistants' Association took place recently, starting from Altrincham. Crossing the two parks to Bollington, a halt for lunch was made; and after lunch the walk was continued to Millington and Rostherne. Leaving Rostherne, the main road to Ashley Station was followed, and tea was obtained at Castle Mill. The journey home was made by the picturesque Bollin Valley through Hale.

An exhibition comprising a wide range of chemical products, apparatus, and appliances was held in the hall of the Manchester Geographical Society on October 7, under the auspices of the local section of the Society of Chemical Industry. One of the most important exhibits was that of The British Drug Houses, Ltd., which was divided into the following groups: Pure organic chemicals for research purposes, chemically-pure analytical reagents, indicators for volumetric analysis, and dyes and mounting-media for bacteriological and microscopical uses. Joseph Crosfield & Sons, Ltd., were showing a number of intermediates and final products used mainly in soap-making and perfume-blending; and among other stands of interest were those of Orme & Co., Ltd., and the Lennox Foundry Co., Ltd.

North Staffordshire

Mr. L. Nixon, formerly with Ayrton, Saunders & Co., Ltd., Liverpool, has taken over a business in Hanley.

Local pharmacists are "going strong" on vacuum flasks. There is keen competition, and prices are phenomenally low.

The Moorland Pharmacy, Burslem, has been recently opened by Mr. W. E. Cropper, chemist and druggist, who is to be congratulated on effecting an improvement in that part of the town.

Boots, Ltd., appear to be adopting "mass-formation" appeals, by means of window-shows throughout the district specialising in certain lines. Quinine wine, petroleum emulsion, and "Regoids" have been prominent features in the local landscape lately.

The old-established business of Mr. Alfred Parker, chemist and druggist, Uttoxeter, has been purchased by Mr. Thomas Bentley, chemist and druggist, Stoke-on-Trent. Mr. Parker is retiring, and his numerous friends wish him many happy years in which to enjoy his well-earned leisure.

Northampton

At Northampton Police Court, on October 10, Joseph Connor, labourer, was remanded on a charge of stealing two sponges and two tablets of soap, value 4s., from the shop of Mr. D. F. McKinnell, chemist and druggist, Wood Hill.

Speaking at a meeting the other day, the borough water engineer (Mr. F. Tomlinson) said that there was an impression that Northampton's water supply was not of high quality. This was because competent and responsible analysts had in their reports used such terms as: "In view of the considerable amount of organic matter present this cannot be considered as a satisfactory water for a town supply"; "From a chemical point of view the water must be considered as of very doubtful quality"; "Albuminoid ammonia indicating unoxidised organic matter is distinctly high and saline ammonia is present. The latter points to a possible recent organic pollution not of vegetable nature. . . ." Yet, judging from that most trying test, the health of the consumers, its qualities were high. The explanation was that Northampton's water supply came from two sources, both of satisfactory organic purity, but when mixed they gave rise to the alarming reports he had quoted. Present-day analysis, both chemical and bacteriological, was not a question of fact. The substances or organisms usually found were merely indicators. Such remarks as he quoted were not justified and ought never to have been made. If an analyst's analysis caused him to doubt the purity of the water, he should vigorously continue his investigations until he could say, "There is the source of your dangerous pollution."

Sheffield

Payments for Insurance dispensing for the month amount to £1,140.

Mr. George Squire, Ph.C., is now back at business after his severe illness.

Variation in the prices charged for dispensing prescriptions has caused some comment in the local Press of late. It is alleged that for the same medicine the charge in a West-End suburb of the city was 2s. 6d. and in the centre 1s. 6d. A Llandudno pharmacist asked 1s. 9d.

Mr. E. H. Swift, Hillsborough, who has been a strong supporter of local organisation for several years, has been elected a Vice-President of the Sheffield Pharmaceutical and Chemical Society. The Literary and Philosophical Society's rooms having been taken over by the Office of Works, the Pharmaceutical and Chemical Society has been compelled to find another meeting-place. It would appear that the Society's last change of address was made in 1877.

Miscellaneous

In the Courts.—At Marlborough Street Police Court, London, on October 6, Hetty Clarke (24), was sentenced to six months' hard labour for being in unauthorised possession of cocaine.

Hospital's Enterprise.—On October 6 the authorities of Middlesex Hospital, London, W., held a conversazione to which employees of large drapery and other establishments in the West End were invited, the object being to awaken or develop in them, as members of the community, a sense of the importance of medical research. The proceedings, which were informal, included a bacteriological demonstration by Professor McIntosh, a lecture on radium by Professor Lazarus-Barlow, and an x-ray display by Dr. J. H. D. Webster.

Loss of Sheep after Dipping.—A case of loss of sheep through double dipping was reported by the county secretary at a meeting of the Northamptonshire branch of the Farmers' Union on October 8. A farmer purchased in September sixty sheep from Wales, which had been dipped on July 15 and August 31. When they were brought into the county it was necessary, under the existing order of the County Council, to dip them twice within a period of fourteen days. Within twenty-four hours of the second dipping, thirty-two out of the sixty sheep were dead. It was unanimously decided that the branch make efforts to secure compensation. (See *C. & D.*, II., 1920, p. 1097.)

Radium from Czechoslovakia.—The Czechoslovak Legation has communicated the following statement to the Press in regard to the contract entered into by the Czechoslovak Government and the Imperial and Foreign Corporation, Ltd., London (*C. & D.*, October 1, p. 42): "Under this contract the Radium Corporation of Czechoslovakia,

private limited company, has been established, the Czechoslovak State and the Imperial and Foreign Corporation holding equal interests. The Radium Corporation will obtain the loan for a period of fifteen years of the radium production of the State mines, less a certain portion which is to be reserved for public use, especially for curative and scientific purposes. . . ."

CHEMICAL WORKERS' WAGES.—A Press Association message states that the United Alkali Co., Ltd., Liverpool, which withdrew from the Chemical Trades Industrial Council three months ago, has given notice to its employees to withdraw the 5s. weekly increase awarded by the Court of Arbitration to all chemical workers on November 5, 1919. The company maintains that, with the proposed reduction, the men's wages will still be about thirty-five points in excess of the present cost of living standard. This, however, is contested by the trade unions concerned. The National Federation of General Workers has written to the company asking for a suspension of the notice pending a conference with their representatives.

Irish News

Brevities

The Pharmaceutical Society of Ireland is advertising in this week's coloured supplement for an examiner in chemistry, in consequence of the death of Mr. George Ebrill, B.A., A.I.C. (*C. & D.*, September 10, p. 35).

At the Police Court, Belfast, on October 7, Henry Thompson pleaded guilty to the theft of a rug, the property of Shaw & Jamison, wholesale druggists, Town Hall Street. He was allowed out under the Probation of Offenders Act.

At a recent inquest at Bray, co. Wicklow, on a child named Christina Murray, aged three years, evidence was given that an older child took a bottle containing pills from its place, thinking they were sweets. The deceased child swallowed two of them, and when put to bed she was seized with convulsions, which Dr. Raverty stated were due to strychnine poisoning. The jury found that death was due to strychnine poisoning, and that no blame could be attached to anyone.

The Local Government Department of Dail Eireann has asked the Ballinrobe Guardians why an ointment purchased for use in the workhouse was not procured from the contractor in the ordinary way. The master said that the ointment purchased from the doctor cost £2 3s., but the amount allowed by the Guardians was £2. It was agreed to inform the Local Government Board Department that the medicines were purchased as required, there being no contract for their supply in view of the immediate closing down of the workhouse.

At the monthly meeting of Ballymena Urban Council a letter was read from the secretary of the local Chamber of Commerce, drawing attention to the drinking of methylated spirit in the town, and urging the Urban Council, the magistrates, and the police to give the matter careful consideration. The chairman said they had got no power to stop the drinking of methylated spirit. Mr. Lancashire, Ph.C., said chemists' assistants, if they had the slightest suspicion, would refuse the sale. The Association with which he was connected in many instances exercised the greatest care as to whom they supply with methylated spirit. The Government should take the exorbitant duty off alcoholic drinks. No action was taken.

INLAND NAVIGATION SCHEME.—Sir Ernest Jardine, chairman of the Trent Navigation Co., speaking at Nottingham at the inauguration of the work now being undertaken by the corporation for improving the navigation of the river and making the city an inland port, described the scheme as the greatest Nottingham had ever participated in. The work consists of making a waterway 250 ft. wide from Nottingham to the sea.

Scottish News

Brevities

Mr. R. Kennedy, chemist and druggist, Coatbridge, who is organist and choirmaster at the Congregational Church, has been presented, on the occasion of his marriage, with a clock as a token of the esteem in which he is held by the choir and congregation.

Mr. William W. Spence, chemist and druggist, Chloroform Pharmacy, Linlithgow, has, for the fifth year in succession, been unanimously elected Deacon of the Fraternity of Dyers. Mr. Edward Spence, chemist and druggist (John Robertson & Co., manufacturing chemists, Edinburgh), has been appointed a key-keeper.

Speaking at the closing meeting, prior to re-election, of the Ayr Burgh Insurance Committee on the subject of National Health Insurance, Sir James Leishman stated that there were now fifty-four committees in Scotland, and their average cost was rather less than £1,000 each per annum for administration. The smallest committees would run to barely £300, and the largest committees to much more than £1,000.

In a poem entitled "Panel Prescriptions," published in the "Sunday Post" of October 2, the author, making full use of poetic licence, accuses chemists of waxing "wealthy and slick" out of the profit on panel scripts. This week's issue of the same paper contains a strong denial by Mr. Peter Fenton, F.C.S., chemist and druggist, Kirkcaldy, who states: "It is true that the English chemist has benefited from the Act, as it has raised him up pharmaceutically; but, so far as Scottish pharmacy is concerned, it was always on a higher level than in England. Prior to the inauguration of the National Health Insurance Act the bulk of English dispensing was performed by the doctors—not so in Scotland."

Edinburgh

Policemen (plain-clothes men) have been going the rounds inspecting the D.D.A. registers.

Placards announcing that developing and printing are undertaken at moderate prices have appeared in several small shops—dairies, etc., in one of the suburbs.

The number of ex-Service men among the students enrolled at the University this session shows a marked decrease. The number of women students is on the increase.

Fife

Fife Pharmaceutical Committee has been re-elected *en bloc*.

Mr. J. Carmichael, chemist and druggist, Leslie, has been appointed treasurer of the Rothes Curling Club.

Police inquiries regarding sales of poisons in the neighbourhood of Cupar are due to the suspicious circumstances attending the deaths of several foxhounds.

Following the recent unveiling ceremony of the Kirkcaldy High School war memorial, which consists of three brass tablets in oak frames, Mr. A. G. Adamson, chemist and druggist, West End, chairman of the school committee, accepted custody of the tribute on behalf of the committee.

Glasgow

Arthur Berton, Ltd., surgical-dressings manufacturers, have removed to 84 Miller Street.

There is a movement afoot in Glasgow to form a new Masonic lodge, composed mostly of doctors, dentists, and chemists, and a meeting with this object in view was held at 165 Hill Street on October 7.

It is announced that Charles Tennant & Co., Ltd., chemical manufacturers, West George Street, have entered into a contract for the disposal of the unsold balance of Government chemicals and explosives.

At a recent meeting of the Andersonian Naturalists' Society, in the Royal Technical College, specimens of the edible beef-steak fungus (*Fistulina hepatica*) from Cadzow were exhibited. A paper on the British *Juncaceæ* was read by Mr. J. R. Lee.

Mr. Hugh Thomson, director and representative of James Taylor (Trongate), Ltd., drug merchants, was, on October 4, the occasion of his completion of fifty years' service with the company, presented with a wallet of Treasury notes, and Mrs. Thomson with a gold wristlet-watch, by the directors and employees.

A correspondent, writing in the local Press recently regarding panel doctors' fees, states that a century ago the following account was rendered to a patient by a Stirlingshire doctor: "To medicine supplied to child, 1s. 6d.; to four visits at 9d. each, 3s." The charge for a consultation was 3s., and a specialist's fee was 10s. 6d.

Mr. John Dawson, chemist and druggist, manager of the drug department of Cowlairs Co-operative Society, Ltd., has acquired the business of Mr. H. W. Cæsar, chemist and druggist, 55 South Portland Street, and will take it over as from October 17. Mr. Cæsar is shortly leaving for Los Angeles, where he will join his wife and daughter, who are already there.

During the discussion by the Glasgow Corporation Committee on Air Purification of a proposal to increase the statutory provisions with reference to the emissions of smoke from steam-lorries and noxious vapours from motor-cars, the attention of the committee was directed to a conviction for emitting black smoke recorded against one of the works of the chemical section of Glasgow Gas Department, and to the report of a further alleged contravention of the kind by the same department. A recommendation to the Corporation asking them to caution municipal enterprises against contributing to the impurity of the atmosphere was agreed to.

In a lecture on "Soap and Soap Solutions," delivered to the members of the Royal Philosophical Society of Glasgow on October 5, Sir James Walker, D.Sc., Professor of Chemistry, University of Edinburgh, said there was little doubt that the Greeks and Romans cleansed their persons chiefly with water and anointed themselves thereafter with oil, but they certainly used an alkali for cleansing purposes, which they either found natural or else prepared it from wood ashes. Pliny mentioned soap and showed that it was found prepared by the Gauls. It was only comparatively recently that soap came into general use—in the sixteenth or seventeenth century probably—and it was prepared from fat oil or some sort of alkali. After a dissertation on the ingredients of soap, with demonstrations of their chemical action, the lecturer said the problem of soap solutions had not been solved yet. There was room for the students of all the Universities in the kingdom to work on soap for many years before they would solve the problem thoroughly.

French News

(From the "C. & D." Paris Correspondent.)

THE DISPLACEMENT OF AIR, caused by the Oppau explosion, was recorded by the registering barometers at Marseilles Observatory, announced M. Fabry to the Academy of Sciences.

GARLIC IN MEDICINE.—In cases of arterial tension, MM. Chailley-Bert, Coeper, and Debrey, of the Society of Biology, recommend about thirty drops of alcoholic extract (the garlic requires to be macerated about three weeks). It may be administered by the mouth or intravenously.

TO ELIGIBLE BACHELORS.—The following advertisement appeared in the "Pharmacie Française," in whose columns a writer recently denounced this species of pharmaceutical matchmaking: "A pharmaceutical or manufacturing post is offered to a pharmacist of about thirty, wishing to marry."

DR. PUNTONI, in investigating the disinfecting value of tobacco, passed tobacco smoke through filtering paper which had been impregnated with microbic cultures. These were rapidly destroyed, especially the organisms of influenza; cerebro-spinal meningitis and cholera could not resist more than five minutes.

ALSACE POTASH DEPOSITS.—Some time ago the Mulhouse Court decided that the alleged sale after the Armistice of 5,400 shares in the Alsace potash mines to an Alsatian named Koch, who was manager of the mines, was a genuine transaction. This judgment has now been reversed by the Colmar Court. Koch retains possession of twenty-nine shares, but the other shares remain the property of the sequestration on behalf of the French Government.

ACADEMY OF SCIENCES.—Monsieur G. Claude, said M. Rateau at the recent meeting, succeeded, some years ago, in producing synthetic ammonia on an industrial scale by exerting very high pressure on a mixture of atmospheric nitrogen and hydrogen. The question remained how to produce, cheaply and on a large scale, the hydrogen necessary for this synthesis. M. G. Claude has now designed a special apparatus by which water-gas (a mixture of hydrogen and carbon monoxide) is subjected to a pressure of 35 atmospheres, and by reducing the temperature to −207°, carbon monoxide is liquefied and removed. Pure hydrogen can thus be produced at the rate of 220 c.c. per hour.

VICHY LOZENGES.—The method of manufacturing Vichy Lozenges was described recently in an interesting article in the continental "Daily Mail." The waters of three springs are brought direct to the works, where, under a most elaborate process of dry evaporation, the salts which they contain are deposited in the form of crystals, but without the carbonic-acid gas. The gas has, therefore, to be put back into them, and in the proper proportion. The crystals are crushed to a fine powder, which is deposited on shallow trays and placed in huge racks one above the other, enclosed in glass walls, and where for four days it is kept under the influence of blasts of fresh gas captured from the springs as the waters bubble out of the ground. This amount is controlled by ingenious indicating machinery. Finally, dried and recrushed, the powder is ready for mixing with sugar and gum acacia in huge electrically worked mixing tubs. It passes out under rollers to the stamping machines, which cut out the lozenges and at the same time stamp them on both sides with the formula which shows them to be genuine. Once more thoroughly dried, the lozenges are packed in tin boxes, hermetically sealed. During the season no water is taken for evaporation, but during the eight months when there are no drinkers the evaporating plant goes day and night, and the salts are stored for manufacture during the summer.

THE FIRST INTERNATIONAL CONGRESS of industrial chemistry held opened on October 10 in Paris, under the presidency of M. Dion, the French Minister of Commerce. The delegates included MM. François Haller and Le Chatelier, and Madame Curie (representing France), Professor Sir William Pope, of Cambridge, President of the Society of the Chemical Industry in Great Britain, Prince Ginori Conti (Italy), Mr. Frederick Cottrell (United States), M. Paul Kestner, President of the Société de Chimie Industrielle, Professor Matignon, M. Gall, former President of the Société des Ingénieurs Civils, and M. Georges Claude. During the day Sir William Pope read a paper in French on the future of organic chemistry. He pointed out the advantages that England and France ought to be able to drawn from their vast Colonial empires, and stated that the observation of animals and plants found therein and researches into the natural wealth of those countries might be transformed into a source of enormous revenue. Sir William's criticisms of German chemical theories and ideas, which, he pointed out, had been accepted with humility for something like half a century, were received with enthusiastic applause. In his address the lecturer gave voice to several extremely interesting and daring new ideas, which, it was recognised, would be likely, if verified, to overturn entirely the present scientific data concerning the molecular constitution of matter. At the close of his address the Minister of Commerce handed to Sir William Pope the gold medal of the Société de Chimie Industrielle. Members of the congress met in thirteen sections this afternoon to discuss questions on the agenda. Professor Matignon gave an address on the nitrate industry, and M. Gall spoke on the French cyanide industry.

Enolin Tooth-paste Competition

At Bow Street Police Court, London, on October 10, Mr. Graham Campbell delivered his considered judgment in the case known as the Enolin Tooth-paste Competition case (*C. & D.*, July 9, p. 44; August 13, p. 43), the defendants being Messrs. Alphonse and Enrique Carreras, King Street, Hammersmith, W. 6, and Mr. Amos Jones, chemist and druggist, Long Acre, W.C. 2. Messrs. Carreras, it will be remembered, were summoned for an alleged breach of the Lotteries Act, 1823, by publishing in an advertisement in "The Daily Mail" a scheme for the sale of chances in a lottery, and for aiding and abetting Mr. Amos Jones in publishing the same scheme. Mr. Jones was also summoned for publishing the scheme and for selling a chance in the lottery, but it was stated by the prosecution that he had been included in the proceedings more or less in a technical sense, and for the sole reason that the police, for the sake of convenience, had selected his shop at which to make the purchase of the article in question. The magistrate, after reviewing the facts of the case, said that when Messrs. Carreras were interviewed by the police on May 20, they said that before they embarked on the scheme they took legal advice, and as they charged no entrance-fee they did not consider that they had violated the law. There was abundant authority to show that this contention could not be supported, and, although Sir Ernest Wild formally took the point that there had been no "sale of chances," he very frankly admitted that on the decided cases he could not ask the Court to say that the mere fact that no entrance-fee was charged would prevent this competition from being a lottery. His (counsel's) real point was that the competition was not a lottery because the prosecution had not established the absence of any element of skill. He (the magistrate) agreed that if the skilled knowledge of the competitor was, in any real sense, an ingredient in the matter he should be bound to hold that this competition did not in law amount to a lottery. He had come to the conclusion that this scheme differed materially from that in the case of Hall *v.* Cox, decided by the Court of Appeal. In that case the prize was offered for a correct prediction of the number of births in London during the week ended December 11, 1907. The returns for the corresponding week in the previous year were given, and the Master of the Rolls there held that there was an element of skill dependent on the investigation of the returns for previous years, consideration of the increase of population, the death-rate, and similar statistical investigations. In the present case he (the magistrate) could not find that there was an opportunity for the exercise of any real skill. After referring to the systems adopted by the witnesses for the defence in arriving at their estimates, Mr. Graham Campbell said that they seemed to be fanciful in the extreme, and did nothing more than provide an opportunity for a succession of wild guesses. It would have been interesting to know how nearly the estimates of these witnesses approximated to the exact number sent in. The winners of the principal prizes all came very close to the figure 172,260, which was the number of cartons actually sent in; and it would have been both interesting and instructive to know the systems which they employed in order to enable them to arrive at such successful results. The winners were announced on July 29; the last hearing was on August 4, but none of the successful competitors was called, not even any of those who lived at Fulham, Highgate, and Forest Hill. He (the magistrate) could not help feeling that, if their good fortune had not been the result of a lucky guess, they would have been called by the defence to explain the systems under which they arrived at their estimates. There was one competitor called for the defence on August 4 who sent in two estimates, neither of which was anywhere near the correct figures. His system was similar to Mr. Knight's third system, and he at first arrived at the figure 223,000; but, not being altogether satisfied with that, he had a second shot on the same principle, and arrived at a figure of 75,000. The first answer was rather more than 50,000 in excess of the number of actual entries; the second answer was rather less than 100,000 below the actual number of entries, or about one-third of his original estimate. It was quite obvious that the witness had not very much confidence in his system if he could send in two answers which differed from one another by about 150,000. It would certainly be difficult for an ordinary member of the public to obtain the total circulation of all the papers in which the advertisement appeared, or to ascertain the number of days on which it appeared in each paper. Even if a competitor could do this, and thus approximately arrive at the number of persons who might possibly have seen the advertisement and gone in for the competition, there must be thousands and thousands of those who read a newspaper who never glanced at the advertisements, even full-page advertisements in "The Daily Mail" costing £1,000 for each insertion. It seemed to him idle to say that an inquiry among a few personal friends would form any real basis for an estimate as to the number of persons who used the tooth-paste, while the assumption that added publicity would give Enolin one-third of the total sales and that one-third of those who saw the advertisement would straightway forget all about it appeared to him to be wholly arbitrary. In the same way, he thought that an inquiry at three shops as to how sales were going hardly formed an adequate basis upon which to found a calculation as to the total number of sales in the United Kingdom between April 15 and July 15, and that any allowance for the number of chemists who were not taking up the scheme must be based on a pure guess. In conclusion, Mr. Graham Campbell said: "Upon the facts of this case, I think there is no real element of skill involved in the competition, and I cannot help feeling that those who were running this competition must have known that the vast majority of competitors would arrive at the answers they sent in by a pure guess, even if a few persuaded themselves that they had invented systems which, by means of skill in judgment, would enable them to arrive at an approximately correct answer. I think 'skill' means something more than mere common sense, which would enable one to know that it was useless to send in an answer of some few hundreds. It means calculations based upon some solid facts which would form a starting-ground for arriving at an answer which would be more or less approximately correct. Under these circumstances, I must hold that this scheme did, in fact and in law, amount to a lottery. There is no suggestion that the competition was not fairly carried out, or that the prizes had not been handed over to those by whom they had been won. It is obvious, however, that the scheme must have been very profitable to the Messrs. Carreras, and I must impose substantial fines upon both of them. There are three summonses against them. It will be sufficient if I deal with two of those summonses—i.e., for publishing on May 19 a proposal or scheme in 'The Daily Mail' for the sale of chances in a lottery, and for aiding and abetting Amos Jones on June 2 in selling a chance in a lottery; but upon each of those two summonses they much each pay a fine of £25. Further, they must each pay 10 guineas costs. With regard to Mr. Jones, who at once ceased to display the poster on being warned by the police, I think the justice of the case will be met by dismissing the two summonses against him, under the Probation of Offenders Act, on the payment of five guineas costs."

Synthetic Camphor is now being made in quantity in America from coal tar, according to Mr. C. R. De Long, chief chemist of the United States Tariff Commission. In an address he delivered recently Mr. De Long said the high price of camphor during the war led to search for a substitute, with the result that triphenyl and tricresyl phosphates were introduced as substitutes for camphor in the manufacture of pyroxylin plastics. It was extremely doubtful whether these two coal-tar products could replace camphor in pyroxylin plastics for all purposes, but they offered a means of overcoming to some degree the Japanese monopoly in camphor. The importance of the development of these camphor substitutes could not be over-estimated.

Legal Reports

A Drug-store Company.—In the Mayor's and City of London Court, on October 11, the case regarding shares in the Anglo-Indian Drug Co., Ltd., was concluded (*C. & D.*, September 24, p. 50). The judgments against the defendants, who were supposed to have taken up shares in the company and to have been in default with their payments, have now been set aside. The defendants now asked for their costs, Tugg having discontinued all the actions. Judge Jackson concurred.

Camphorated Oil Case.—At Wolverhampton Police Court, on October 5, May Bourne, 90 Stafford Street, was summoned at the instance of Mr. G. F. Allwood, under the Sale of Food and Drugs Acts, for having sold 4 oz. of camphorated oil which upon analysis was certified as 8 per cent. deficient in camphor. Mr. Allwood stated that the oil was supplied to the defendant by a large firm, and no guarantee was given. The oil had been kept in the window. He maintained that wholesalers should give instructions how "those things" should be kept. Defendant's father said that his daughter sold the oil as it came to them. A fine of 10s., with 15s. 9d. special costs, was imposed.

Bankruptcy Reports

Re Arthur Fulford, trading as A. Fulford & Co., 71 Bowdon Street, Sheffield, wholesale druggist. The public examination of this debtor was held recently at the County Court Hall, Bank Street, Sheffield. The liabilities were returned at £811 11s. 4d., and there was a deficiency of £338 19s. 9d. Debtor started business forty years ago without capital. He attributed his present position to depreciation of stock, and a law case in which judgment for £57 was given against him. The examination was closed.

Re Frank Thornton Jowett, Brighton, chemist's salesman. The public examination took place in the Brighton Bankruptcy Court, on October 5, before the Registrar. Debtor said he had formerly traded as the City and Midland Manufacturing Co., Broad Street House, London, as a manufacturing chemist's salesman. His liabilities were returned as £1,215 9s. 4d., but that did not include the balance of an account due to one firm, which might probably amount to £500. Formerly he and his brother were in business together; they sold up and he went into the Army during the war. He was left with about £200. On leaving the Army, in March 1919, witness obtained a situation as chemist's salesman at £225 per annum, and commission. In May 1920 he started a company which registered in the name of a Mr. Russell, who, however, was only the manager of it. Debtor contracted to purchase goods of the value of £1,612 from the principal creditor, but accepted delivery of only a part of the order, and an action was started against him for £824. Arbitration ensued, and ultimately judgment was given against him for the amount claimed. In other proceedings brought against him for breach of contract he had to pay £325, and the business closed up with no money in the bank. He came to Brighton early this year, and entered the employ of a manufacturing chemist as salesman and manager at £6 a week. There was talk of a partnership, but no written agreement, and he never was a partner, although at first his name was used in the registration of the company. Afterwards, however, his employer changed his mind and cancelled it. The further examination was adjourned until November 2.

Re Sir Thomas Beecham, Bt., The Albany, London, W. 1. The public examination of the debtor, postponed on account of the state of his health, was commenced on October 12. A receiving order upon his estate was made in October 1919. but the advertisement was stayed until 1920. It was shown by the accounts that the total liabilities amounted to £2,131,571, of which £39,763 was unsecured. The assets were valued at sufficient to provide a surplus of £78,724, after all indebtedness had been discharged. The debtor, in reply to questions put by the Senior Official Receiver, explained that for ten years prior to the receiving order being made he was engaged in producing opera in London and in the provinces. In the majority of instances the productions resulted in a loss, and the latter was met by the debtor's late father, whose death occurred in October 1916. Under his late father's will he became entitled to a life interest of 46 per cent. of the income derived from the manufacture of pills, a business carried on by his father at St. Helens. That life interest had been producing £90,000 a year gross. He considered that at the time of the death of his father the amount of his income would be £75,000. He did not come into the income for a long time; in fact, he had not come into it. The debtor further explained that last year he received between £7,000 and £10,000 from the executors. The latter were asked by him to reduce his liabilities, but they were not able to comply with his request. The late Sir Joseph Beecham, not long before his death, entered into a heavy commitment with regard to the Covent Garden estate. £2,250,000 was the original purchase price, and of that £500,000 had been paid before the death of his father. The executors felt that they must not pay legacies until they had discharged the liabilities. The consequence was that he proceeded with the aid of financiers. The air-raids and the general disturbances of the war brought about a great deal of the loss he had referred to. The debtor and his brother, during April 1917, agreed to purchase the residuary estate for £575,000 from the executors, subject to the payment of liabilities, the latter including a mortgage for £1,250,000, held by the Duke of Bedford, vendor of the Covent Garden estate. On account of the purchase price of the residuary estate a sum of £60,000 was paid. The late Sir Joseph Beecham adopted a simple method of ascertaining his loss. He had a special account for it with an overdraft. As the overdraft increased, so the loss increased in a corresponding degree. Sir Joseph owned twenty theatres. In 1917 it was proposed to form a company to deal with the interests of the witness's and his late father's estate, but the Treasury would not allow it to be registered. In June 1918 a scheme was propounded by the executors which was approved by the Chancery Court, under which they should retain the income due to him from the business of pill manufacture, and discharge the outstanding liabilities, allowing him £15,000 a year, subsequently increased to £20,000. Had the late Sir Joseph lived a month longer, the debtor would have been relieved of the liabilities referred to. The examination was adjourned for eight days.

Deed of Arrangement

Kirk, Arthur, chemist and druggist, Nevells Road, Letchworth, late 72 Emmanuel Road, Balham.—Dated October 1; filed October 8. Liabilities unsecured, £1,355; estimated net assets, £590. Among the creditors are Barclay & Sons, Ltd., £146; English Brush Manufacturers, £21; Evans Sons Lescher & Webb, Ltd., £38; Houghtons, Ltd., £27; Idris & Co., Ltd., £38; A. & F. Pears, Ltd., £15; Piesse & Lubin, Ltd., £14; Turner Drug and Galenical Co., Ltd., £51; Wright, Layman & Umney, Ltd., £26; Vinolia Co., Ltd., £12.

Japanese Control over Imported Medicines.—For many years past there has been considerable discussion as to the control of imported medicines which are not made in accordance with the Japanese Pharmacopœia, and the problem has now been revived owing to the increasing amount of imported medicines. The Japanese Home Office is now engaged in investigations on the matter, and in case of its decision to treat them as patent medicines they will become subject to a restriction as to the ingredients of these medicines, and also to the stamp duty of 10 per cent. of the price as in the case of Japanese patent medicines.

New Companies
and Company News

P.C. means Private Company and R.O. Registered Office

RAPIDOL, LTD. (P.C.)—Capital, £5,000. Objects: To carry on the business of manufacturers and sellers of a certain compound known as "Rapidol," manufacturers, importers, and exporters of, and dealers in, all kinds of hair-dyes, hair-washes, and toilet preparations, chemists, druggists, etc. R.O.: 20 Old Cavendish Street, London, W. 1.

DANIEL VAHRMAN, LTD. (P.C.)—Capital, £1,000. Objects: To adopt an agreement with D. Vahrman, and to carry on the business of chemists, druggists, dealers in chemicals, drugs, chemical sundries, oils, fats, soap, surgical and other instruments, etc. The first directors are: Daniel Vahrman, 76 Brick Lane, E. 1, druggist, and Mrs. Paula Vahrman.

FAM-O CO., LTD. (P.C.).—Capital, £1,000. Objects: To carry on business as manufacturers, producers, refiners, storers, suppliers, and distributors of mineral, animal, and vegetable oils, oleaginous and saponaceous substances, unguents and ingredients, pharmaceutical, manufacturing, and general chemists and druggists, etc. R.O.: 1 Earl Street, Westminster, London, S.W.

VANORÉ, LTD. (P.C.)—Capital, £100. Objects: To carry on the business of manufacturers of, and dealers in, patent and other medicines, specific remedies, drugs, ointments, pills, lotions, soaps, perfumes, etc. The permanent managing directors are: B. C. Fisher, 170 Strand, W.C. 2, and Elsie C. Roberts, 6 Cavendish Drive, Leytonstone, N.E. R.O.: 52 Bedford Row, London, W.C. 1.

CYMPLEX CARTON CO, LTD. (P.C.).—Capital, £10,000. Objects: To acquire the business of a cardboard-box manufacturer carried on by A. Richmond, and to carry on the same and the business of carton-box manufacturers and dealers in cardboard, paper, and other materials, and tools and machinery used in connection therewith, printers, etc. R.O.: 1 Gresham Buildings, London, E.C.

J. W. DAVIS & SON (HULL), LTD. (P.C.).—Capital, £10,000. Objects: To adopt an agreement with J. F. Robinson, A. S. Davis, and P. W. Davis, to acquire the business of a varnish, paint, and colour manufacturer lately carried on by P. W. Davis at Hull and elsewhere as "J. W. Davis & Son," and to carry on the same and the business of manufacturers of whiting, etc. R.O.: Wilmington, Hull.

KEPEC CO. (ENGLAND), LTD. (P.C.)—Capital, £13,000. Objects: To acquire a licence to use certain secret processes and formulas for the manufacture of colour finishes, tanning materials, and shoe dressings, together with the right to use the word "Kepec" and to adopt an agreement between William Max Pohl, for and on behalf of the Kepec Co. of the U.S.A. of the one part, and P. R. Barker, on behalf of this company, of the other part. R.O.: Myrtle House, Gay Lane, Otley.

BENGER'S FOOD, LTD.—An interim dividend for the six months ending September 30 has been declared on the £1 ordinary shares at the rate of 9d. per share, free of income-tax.

NOBLES DRUG STORES, LTD.—Mr. C. B. J. Lockyer, of 30 Lucas Road, Kennington Park, London, S.E., was appointed receiver on September 30, in place of Mr. D. W. Bull, who has been discharged.

HENRY HODDER & CO., LTD.—The accounts to June 30, 1921, show a profit of £7,749, plus £9,203 brought forward, making £16,952. Further dividend of 5 per cent., making 15 per cent., is proposed; £12,152 is carried forward.

USHER'S DRUG STORES, LTD.—At a meeting held at Sittingbourne, recently, it was resolved that this company be wound up voluntarily. Mr. E. Peters, "Hereward," Albany Road, Sittingbourne, was appointed liquidator, and a meeting of creditors was held on October 11 at the liquidator's office.

TJILIWOENG JAVA PLANTATIONS, LTD.—In the course of the annual meeting, held in London recently, the chairman, Sir E. Rosling, said the amount of cinchona harvested was 71,940 lb., compared with 46,105 lb. in the previous year, and, although the percentage of quinine showed a slight falling off, the results from this product were very satisfactory. They hoped to harvest a larger crop this year, which should have satisfactory results. Mr. Walter Hilliers (managing director) said: "We expect larger crops of cinchona, especially from our older plantations, which have arrived now at a fairly advanced state of maturity, and this is satisfactory considering the present and prospective position of the market for this product. I should also add that the new taxes in the Netherlands Indies, imposed among other produce also on quinine, will not, as far as it is possible to know from particulars to hand, materially affect this company, because as it happens their incidence falls, in our case at least, on the exporter. It is much to be regretted that a commodity of such vital importance as sulphate of quinine should have been burdened with an export tax."

British Pharmaceutical Conference

A MEETING of the Executive Committee was held at 16 Bloomsbury Square, London, on October 5, the President (Prof. H. G. Greenish) in the chair. There were also present: Messrs. G. Claridge Druce, H. Finnemore, C. A. Hill, W. A. H. Naylor, and E. T. Neathercoat (Vice-Presidents); Miss M. E. Buchanan, Messrs. C. E. Corfield, F. W. Crossley-Holland, H. Deane, Sir Wm. S. Glyn-Jones, Messrs. A. R. Melhuish, and H. Skinner; with Messrs. R. R. Bennett and C. H. Hampshire (hon. secretaries).

Prof. H. G. Greenish expressed his pleasure in occupying the Presidential Chair, and stated, that although he had accepted office under pressure, he hoped that with the help of the other officers he could assist in the work of the Conference.

Reference was made to the loss sustained by the Conference through the death of the following members: Mr. David Brown (Edinburgh), elected in 1878; Mr. W. Giles (Aberdeen), elected in 1885; Mr. John Harkness (Edinburgh), elected in 1907; and Mr. J. Hinksman (Carluke), elected in 1912. The secretaries were instructed to convey the condolences of the Executive Committee to the relatives of the late Mr. W. Giles, who was one of the Vice-Presidents of the Conference in 1907-1908.

The following Sub-Committees were appointed:

Research.—The President (Prof. H. G. Greenish), C. E. Corfield, H. Deane, H. Finnemore, F. W. Gamble, C. A. Hill, J. Jinks, E. S. Peck, R. R. Bennett, and C. H. Hampshire (Convener).

Practice.—The President (Prof. H. G. Greenish), H. Finnemore, F. W. Gamble, Sir W. S. Glyn-Jones, A. R. Melhuish, E. T. Neathercoat, E. S. Peck, H. Skinner, C. H. Hampshire, and R. R. Bennett (Convener).

Mr. Hampshire reported that at the last meeting of the Harrison Memorial Joint Committee it was decided to appoint a Committee of six to make the Harrison Memorial Awards, three members to be appointed by the Council of the Pharmaceutical Society and three to be appointed by the Conference. It was agreed that the representatives of the Conference should be the President, Mr. C. H. Hampshire, and Mr. H. Finnemore.

Mr. E. C. Carr asked the Executive Committee to decide upon the date of the Nottingham Meeting, suggesting that either the week commencing July 17, 1922, or the following week would be acceptable to the Local Committees. After discussion it was unanimously agreed that the week commencing July 24 would be preferable.

The following six members were elected: Mr. A. G. Crossley (London), Mr. E. H. Brittain (Leicester), Mr. W. J. Beardsley (London), Mr. W. C. C. Taylor (Saltburn), Mr. F. Purse (Leicester), and Mr. J. M. Hill (Ipswich).

Associations' Winter Session

London (N.).—The opening meeting of the North London Pharmaceutical Association was held on October 11 at Forester's Hall, Kentish Town, Mr. Arthur H. Jenkin in the chair. The experiment was tried of local centres, and the first meeting produced a big gathering. The first portion of the evening was given up to a lecture by Mr. Hendren Hardwick on *The Theory and Practice of Colour Photography*, illustrated by lantern-slides, the business side being taken in the interval, when refreshments were served by the ladies' committee. The President touched upon several matters briefly, and the remainder of the evening was taken up by the lecturer in a lantern tour round the ancient buildings of London, illustrated by coloured slides and explained from a fund of information. A vote of thanks to Mr. Hardwick and the ladies' committee brought to a close a most successful evening. A feature of the evening was the sale by the secretary of the *C. & D.* "Dictionary of Difficulties" and the Prescribers' Cards, which, he said, did away with the need of public explanation of the Dangerous Drugs Act.

Ulster.—A committee meeting of the Ulster Retail Drug-trade Association was held in the Chemists and Druggists rooms, 11 Waring Street, Belfast, on October 10, Mr. W. E. Wilson (Vice-President) in the chair. Other members present were: Messrs. J. A. Bingham, W. C. Dobbin, R. Kells, S. Suffern, A. Wilson, and the secretary (W. J. Stevenson). An apology for absence was read from Mr. H. Lancashire (President). Correspondence was read from the following and dealt with: Messrs. Johnson Bros., Fassett & Johnson, Ltd., Dearborn, Ltd., The Apollinaris Co., Ltd., Scott & Turner, Ltd., Proprietary Articles Trade Association, T. J. Eglinton, Edward MacManus, Ministry of Labour, Grosvenor Chemical Co., and T. A. McMichael. The sub-committee reported that the members appointed to confer with the committee of the Belfast Wholesale Merchants' Association had met and discussed the question of unqualified traders selling proprietary articles containing poisons, also regarding grocers underselling certain well-known foods and patent medicines. Members of the wholesale section gave their assurance that the matter would receive their attention. In connection with the Dangerous Drugs Act, the secretary was directed to post copies of the *C. & D.* Prescribers' Card with covering letter to all medical men in the city, and a Chemists' Card to each member of the Association. Country members are requested to send to the secretary names and addresses of doctors or veterinary surgeons to whom they desire a card posted. A number of the members have already availed themselves of this opportunity.

South Wales and Monmouthshire Federation

A meeting of the South Wales and Monmouthshire Pharmacists' Local Associations Federation was held at Tenby on September 29. The President (Mr. F. D. Phillips, J.P. (Haverfordwest), occupied the chair. There were fifty delegates and members present. A vote of condolence was passed with the relatives of the late Mr. Rees Lloyd (Penygraig). The question of the small margin of profit obtained from one or two articles was considered, and the attitude of certain manufacturers in refusing to receive a deputation from the Proprietary Articles Trade Association to arrange for the stabilising of profits commented upon. It was suggested that the Retail Pharmacists' Union, with the federations and associations, should approach these manufacturers with a view to placing their articles on the protected list. Mr. H. M. Lloyd (Merthyr) introduced a discussion relating to proprietary articles for sale in shops other than pharmacies. It was pointed out that these particular articles were usually introduced through the pharmacist, but when sales grew the proprietors invariably sought outside channels for the sale of their goods. This policy was thought to be unfair. It was resolved to suggest to the R.P.U. that, acting in conjunction with the P.A.T.A., they might prevail upon the manufacturers to desist from this practice or adopt different styles of packing of their goods for the sole sale by pharmacists. The present high railway rates and charges were considered excessive, and it was pointed out that motor-vehicle owners are more reasonable in their charges. It was decided that the railway companies be communicated with, and, further, that correspondence with the motor-vehicle owners should be taken up with a view to adopting their system. At the conclusion of this meeting a substantial tea was served, provided by the Pembrokeshire Pharmacists' Association. During the evening Sir William Glyn-Jones addressed a meeting. Sir William, who was given a rousing reception, dealt with the present pharmaceutical position, eulogising the work done by local organisations and mentioning that the local associations had been the means of causing the Government to reconsider and remodel the Dangerous Drugs Act Regulations. He had never known during his Parliamentary career such organised opposition to any Bill. He viewed with optimism the future of pharmacy, instancing that the members of the craft would no doubt under the Ministry of Health be called upon to give time and attention to special work, such as bacteriological, analytical, and preparation of vaccines. He urged those present to make themselves capable of performing this special work.

Festivities

Hull Pharmacists' Concert

The Hull Pharmacists' Association held a concert at the City Hotel recently. The musical programme was sustained by a concert-party known as "The Night Lights," and the efforts of the artists were highly pleasurable and entertaining. The attendance was large.

Liverpool Chemists' Whist-drive

The Liverpool Chemists' Association inaugurated its winter session on October 5 with a whist-drive and dance. Mr. W. H. Clubb (President) conducted the proceedings, at which the company numbered 170, a social and financial success being recorded. Handsome prizes for the whist-drive were presented by the following wholesale firms: Evans Sons Lescher & Webb, Ltd., Ayrton, Saunders & Co., Ltd., R. Turner & Co., Ltd., and John Thompson (1921), Ltd. The winners were: *Ladies*: Mrs. Rhead, Mrs. Richard Lloyd, Mrs. D. H. Evans. *Gentlemen*: Messrs. Fletcher (Boots), A. W. Ashcroft, W. J. Williams (Evans's). Mrs. J. L. Hirst (wife of the hon. secretary) distributed the awards. Dancing followed.

The Westerners' Reunion

The reputation which the London (Western) Pharmacists' Association has earned for the *éclat* of its social events was still further increased on October 6, the occasion of the annual reunion, when a supper and whist-drive was held at Pinoli's Restaurant, Wardour Street, W. About 120 guests and members, including Mr. and Mrs. Bonner, Mr. and Mrs. W. Browne, Mr. and Mrs. C. A. Noble, Mr. and Mrs. Thomas Marns (Ealing), Mr. and Mrs. H. R. Procter, Mr. and Mrs. H. S. Watson, Mr. and Mrs. B. R. Wilkinson, and Messrs. Duncan Bowie, A. H. Jenkin (President, North London Pharmaceutical Association), A. R. Melhuish, H. Skinner, J. A. Thompson (Vice-President, London County Pharmaceutical Association), were welcomed by the President (Mr. W. E. D. Shirtliff) and Mrs. Shirtliff, and, thanks to the organising ability of the social secretary (Mr. Harry Martin), spent a most enjoyable evening. The proceedings commenced with supper, following which the tables were cleared and whist indulged in until nearly 11 P.M. The prize-winners were: *Ladies.*—(1) Miss Marriott, (2) Mrs. Roe, (3) Mrs. Ford. *Gentlemen.*—(1) Mr. Evans, (2) Mr. Warburton, (3) Mr. Roberts. Prior to the presentation of the whist-prizes, the bowling prizes were handed to the winners: (1) Cup, Mr. Theo. Dawson, (2) Mr. F. Norton (runner-up). A cup presented for handicap singles was won by the donor, Mr. Feltwell (Hammersmith), and consequently a prize was awarded to the runner-up, Mr. S. A. Sturton.

Pharmaceutical Society of Ireland

Annual Meeting

The forty-sixth annual meeting of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on October 3, Mr. J. E. Connor, J.P., President of the Society, in the chair. There were also present: Dr. A. J. Barnes (Vice-President of the Society), Dr. J. A. Walsh, Dr. J. S. Ashe, Messrs. W. J. Parkes, W. F. Wells, A. H. Oliphant, A. Owen Wells, Victor E. Hanna, Wm. Jones, G. A. McLean Lee, D. M. Watson, Fred. Storey, J. Carroll Culbert, W. H. Boyd, F. P. Armstrong, Alex. T. McKay, J. V. McKeener, Robert Mellon, Wm. Murphy, Wm. Boulton Conyngham, James A. Doyle, and D. Warwick.

Communications expressing regret at their inability to attend were received from Mr. John Smith and Mr. G. D. Beggs, J.P. (treasurer). Mr. Beggs, writing from Liverpool, expressed the opinion that the new arrangement of having the accounts audited by a chartered accountant is a distinct improvement on the old system.

Report of the Scrutineers

The registrar (Mr. Ferrall) read the report of the scrutineers of the ballot, Mr. A. H. Oliphant and Mr. Victor E. Hanna, regarding the voting for the election of members of Council as follows:

W. J. Hardy	204	D. O'Connell	66
J. A. Walsh	190	W. J. Healy	64
A. Wilson	182	M. Ryan	58
S. Suffern	180	M. O'Donnell	55
J. Michie	166	F. McAnally	48
V. E. Hanna	161	P. Brady	47
J. A. Doyle	114	J. Dargan	43
W. H. Boyd	104		

There were 476 voting papers issued, of which 281 were returned, five were spoiled, and nine arrived late.

The President declared Mr. Hardy, Dr. Walsh, Mr. Wilson, Mr. Suffern, Mr. Michie, Mr. Hanna, and Mr. Doyle elected members of the Council.

Presentation of Gold Medal

The President, amidst applause, presented a gold medal to Mr. Thomas Joseph Smith, Ph.C. He congratulated Mr. Smith on the high marks he had obtained, and wished him every success in the profession.

Mr. Smith suitably returned thanks. Miss Annie Evelyn Wright, Ph.C., to whom a silver medal had been awarded, was not present.

The Council's Report

The President read the following report:

The following was the state of the

Registers

on August 31:

	1920	1921	Increase	Decrease
Pharmaceutical Chemists	1,151	1,175	24	—
Pharmaceutical Assistants	234	244	10	—
			34	
Chemists and Druggists	88	83	—	5
Registered Druggists	655	641	—	14
	2,128	2,143	15 net inc.	

The Subscribers

were as follows:

	1920	1921	Decrease
Members	433	400	33
Associate Druggists	87	75	12
	520	475	45

The Society has lost through death two valued members of Council: Dr. James Charles McWalter, High Sheriff, and Mr. Thomas Nicholson Moffitt, both able Councillors and gentlemen of most amiable characters; they are sadly missed. The Society has also lost through death the following members: Messrs. Robert Duggan and Robert John Savage. Other deaths recorded were those of William Patrick Kennedy, Michael S. Lalor, Thomas McEver, and John Pringle Parke, pharmaceutical chemists; Joseph Soden Holton, chemist and druggist; Thomas Coulter, William John Darby, and Michael Garvey, registered druggists. In several cases the deaths mentioned were of tragic suddenness, directly due to the troublous time through which we have lately passed.

The following statistics refer to the

Examinations

Preliminary Examination

	1920	1921	Decrease
Candidates	173	157	16
" rejected	78	75	3
" passed	95	82	13
" registered on certificates from other bodies	55	47	8
Candidates registered on Army, etc., certificates	23	4	19
	173	133	40

During the whole twelve months only one candidate obtained honours: Mr. Richard Augustus O'Regan, who scored 78½.

Pharmaceutical Licence Examination

	1920	1921	Increase
Candidates	116	122	6
" rejected	57	63	6
" passed	59	59	

Eighteen candidates (nine less than during the previous year) passed with honours, viz.: Thos. Joseph Smith (Gold Medalist), 240; Annie E. Wright (Silver Medalist), 230; Irene F. Storey, 228; John Taggart, 227; Josephine Dowling, 225; Joseph P. Butler and David Moffatt, each 223; Michael J. Larkin, Michael MacManus, and Albert Morrow, each 221; Kathleen Ryan and Joseph D. Murphy, each 218; John Chute and Wm. R. Thornhill, each 217; Joseph F. Costello, 215; Augustus Bourke, 214; Harold C. McCracken, 212; Eric T. Ryan, 210.

Pharmaceutical Assistant Examination

	1920	1921	Decrease
Candidates	14	13	1
" rejected	5	5	—
" passed	9	8	1

Registered Druggist Examination

	1920	1921	Decrease
Candidates	36	33	3
" rejected	18	17	1
" passed	18	16	2

Demobilisation

A considerable number of ex-Service men, having completed their courses, have entered for the Final examination. On the whole they have done well; this is not surprising, as their teachers state that they have found them to be particularly attentive and exemplary students.

On the District Selective Committee to consider applications and advise the Ministry of Labour, Mr. V. E. Hanna was appointed to represent this Society in place of Mr. W. F. Wells, who had gone on a trip to South Africa.

The Ministry of Labour submitted a scheme of training for disabled ex-Service men to enable them to enter for the Pharmaceutical Assistant examination. This has been agreed to in principle by the Council, subject to some modification before being finally settled.

The Work of the Council

The Council continued to have under consideration the position of the Society under the Government of Ireland Act, and your President, with the Society's solicitor, went to London to interview the Attorney-General to endeavour to secure the insertion of a clause so that our licentiates should be at liberty to practise in any part of Ireland. In this they were unsuccessful, but were assured that the Society would continue for the whole of Ireland, unless Irish legislation to the contrary took place.

As was mentioned last year, the Council secured a

provision in the Dangerous Drugs Act that, before any regulations affecting Ireland should be made, your Council should be consulted. Apparently the Home Office had overlooked that, for the Draft Regulations were published before your Council had an opportunity of offering suggestions. One serious defect was that the conditions of our registered druggists were ignored. The Home Office appearing determined to force the Regulations through without amendment, notwithstanding the protests of this Society in conjunction with the Pharmaceutical Society of Great Britain, the President and Mr. Smith were appointed delegates, to proceed to London to endeavour to have amendments made. The Dublin and Belfast trade associations also sent delegates. Mr. J. D. Kiley, M.P., took the matter up and got together a meeting of about two hundred members of Parliament, who protested against the attempt to force through the Regulations without consultation with the two Societies. The result was that the Home Secretary appointed a committee to receive evidence, and your President attended, with Mr. Meeke, solicitor, who put the case for this Society very ably. The result was considerable modifications, but the Regulations seem likely to give much trouble to all concerned.

A new source of income is afforded by the advertisements in the calendars; the amount, as shown in the revenue account, may be considered satisfactory in view of all the circumstances.

Examiners

Dr. C. W. Robinson, M.P.S.I., was appointed a pharmacy examiner in place of Mr. D. Warwick, M.P.S.I., whose full term of five years had expired. Owing to the illness of Mr. G. Ebrill, B.A., A.I.C., last April, Professor Hugh Ryan, M.A., D.Sc., of University College, Dublin, was appointed a temporary examiner; consequent on the regretted death of Mr. Ebrill, Professor Ryan has been again appointed a temporary examiner. It is regretted that Dr. Henry Hunt, M.P.S.I., has met with a serious accident, which will prevent him conducting the October examination in materia medica; Dr. J. S. Ashe, M.P.S.I., has been appointed a temporary examiner. Mr. F. E. Preston, M.P.S.I., has been appointed registered druggist examiner in place of Mr. G. Brown, M.P.S.I., and Mr. J. T. Dwyer, M.P.S.I., was appointed examiner for the pharmaceutical-assistant qualification; in each case the retiring examiner had completed his full term of five years.

The Schools

have been well attended; the following were the number in each class: Theoretical chemistry, 47; practical chemistry, 61; botany and materia medica, 48; total 156.

The prizes awarded were as follows: School of Chemistry—A. Morrow (first prize), Leonard Clarke (second prize); School of Botany and Materia Medica—Thomas Higgins and Frederick J. Robinson (first prize), Eileen A. Clarke and Eveline McClure (second prize).

The President moved that the report be adopted.

Mr. A. Owen Wells seconded the adoption of the report. He thought it was a very satisfactory one. On the whole they had had a very good year considering everything. The marks were very high. In connection with the Chemistry examination, he thought three questions should be set instead of two. If a candidate got an alkaloid, a salt, and volumetric analysis he received a chance of getting two right, whereas if there were only two questions set, if he went wrong in one and half wrong in the other he was blocked. Two questions did not afford a fair test for any student.

The President thought Mr. Wells' suggestion a good one, but the matter was one that should come before the Schools Committee first of all for their approval or otherwise.

Mr. Wells asked if it would not be a good thing to suggest that three questions should be set for the next examination. There would be no meeting of the Committee before the next examination.

The President asked the Registrar to mention the matter to Mr. Ryan, the examiner. If Mr. Ryan thought it advisable he could set three questions.

B.Sc. Course in Pharmacy

Mr. Culbert said the Queen's University, Belfast, had arranged a B.Sc. course in pharmacy. This was something that had not happened before in the British Isles except in Manchester. By co-operation between the Technical Schools and the University a Faculty of Applied Science Technology had been created, and this Faculty granted the B.Sc. degree in three or four different groups of subjects, among them being pharmacy. The pharmacists took some credit to themselves for this, because the North Irish Pharmacists' Association had Professor Earls as a guest at their annual meeting, and had talked over matters educational with him. But they had hardly hoped that the seed would fructify so soon. He (Mr. Culbert), suggested the advisability of co-ordinating various schemes of education so that a student should not be obliged to step back at any period of his career. If it were possible that a pharmaceutical licentiate could be accepted for the Intermediate in Science it would be a great incentive for him to go on and take the degree after he had finished his Licence examination; and he thought that there was no doubt that the social and professional status of pharmacists would be greatly assisted by this movement. Universities were more or less business institutions, and, it might happen, competitive institutions; and if one University took up a matter of this sort, another University would be more easily induced to do the same. There was a strong reason why this Commission that they spoke of some time ago should go into the whole matter and try to arrange a co-ordination scheme.

Mr. Storey said there was one thing Mr. Culbert had overlooked—that they granted a five years' course by attending evening classes and a three years' course at the University in day classes. A five years' course would fit in with the curriculum of the Pharmaceutical Society. He would strongly support the setting up of some Commission to meet the members of this Faculty, and some members, probably, of the Council of the Pharmaceutical Society and some outside members, to try and get to a working agreement between the Pharmaceutical Society and the Universities. He thought the Belfast University deserved great credit for taking this line of action. Manchester and Glasgow had a degree in pharmacy, but they had not evening classes. Some students had already entered for this course. Judging by the way that the pharmacists had been met by the representatives of the University and by the representatives of the Technical School in Belfast, he thought it would be quite easy to get them to conform to more of their subjects. They had met the pharmacists quite frankly and fairly, and seemed quite willing to meet them at every point.

Dr. Ashe said he thought they ought to congratulate their fellow-countrymen from the North for having brought this matter forward. It was a subject which had been very dear to the heart of Dr. McWalter. Trinity College was now trying to get outside colleges and bodies to unite with them, and was giving opportunities of getting degrees in various subjects which were not otherwise available. It struck him that this scheme which the University of Belfast had brought forward could easily be fitted into the University of Dublin or the National University. He had gone that afternoon to see the Provost of Trinity College and Sir Robert Tate, and he had a talk with the latter about the matter. He thought there were great possibilities in it. It would not interfere with the Pharmaceutical Society nor with the teaching schools, nor take away from them; but it would give men who had a laudable ambition a chance of getting degrees and of getting on to the higher walks of life. He thought anything that gave a man an opportunity of getting on had to be helped as best they could help it.

In the Melting-pot

There were a couple of matters that he would like to refer to. Of course they were as much in the melting-pot as ever the Government of Ireland Act itself was. They ought to look ahead. It was no use waiting until everything was cut and dried. It would then be too late. He was a great believer in looking ahead. He hoped and

trusted that they were near a settlement in that part of Ireland. He certainly thought that members of the Dail ought to be approached and "lobbied" about their Society and asked to help them in every way they could. That day he received a little card telling him that they had yet another offence in pharmacy with regard to the Dangerous Drugs Act. As a medical practitioner in Dublin, might he give a hint to the chemists at large? Chemists were getting very fond of sticking to the medical prescriptions of the physicians. Whether it was that they held the prescriptions in the hope that the customers would not go anywhere else, and would have to come back to them, it was extremely awkward when the patients said to the physician, "We have not got our prescription; the chemist kept it." That practice seemed to be growing. From a medical point of view he did not like prescriptions being kept by the chemist. On three or four occasions lately the thing had occurred.

Mr. A. Owen Wells: Dr. Ashe has evidently not read the Dangerous Drugs Act. The chemist that gives back a prescription is liable to a fine of £500 and up to five years' imprisonment.

Dr. Ashe: It is not alone the Dangerous Drugs Act, but they are sticking to the prescriptions a great deal more than they did.

Mr. Lee: Under the Cocaine and Opium Regulation chemists were bound to keep the prescriptions. So far as I am aware those are the only prescriptions that are kept.

Mr. A. Owen Wells said the Dublin Retail Drug Association had gone to a lot of expense in sending out cards and circulars to the doctors with regard to this matter, and they hoped it would have a result. He knew one chemist who had got a bag full of prescriptions, and he was going about trying to get doctors to sign them. Medical men must assist the chemists in this matter, because otherwise lives would be lost. Chemists were not going to take the risk of a £500 fine and four or five years' imprisonment. The Dublin Association had done everything that they possibly could. He would ask the doctors present to try to work the matter up and to ask other doctors whom they knew to do so.

Proposed Education Commission

The President said the subject which had been referred to by Mr. Culbert and Mr. Storey was one which was well worthy of consideration, and he would suggest that it should be referred to some one of the committees to see if anything could be done in the matter. Dr. Ashe had been moving in the matter in Dublin. It would be a great thing for the pharmaceutical students if they could become affiliated with Trinity College. The name of Trinity College connected with their schools would give them a great impetus, and it would give men who wished to qualify for medicine or obtain some scientific qualification an opportunity of doing so, and it would also increase the status of the Society.

Mr. Parkes said the Society would have to do something with their Preliminary examination. It was no good for any of the Universities; they would not take it.

The President said the question of bringing up the Preliminary examination to the standard of the Universities had been under discussion on several occasions, and the argument brought against it was that it would exclude a large number of students who had not sufficient education to proceed to a University degree. That would be a very strong argument against it.

Mr. Mellon: They might accept our Preliminary examination and add two extra subjects.

Mr. Storey proposed that it be referred to the House and General Purposes Committee to go into the matter of the appointment of a Commission to deal with the educational matters that had been discussed.

Mr. Mellon seconded the motion, which was adopted.

A Charge Repudiated

Mr. Hanna said he would like to answer the charge made by Dr. Ashe that chemists held up medical prescriptions. The chemists in Dublin were noted for the number of returned prescriptions. If the chemists present were asked it would be found that not one of them held up even one prescription in a week. Dr. Ashe should not make such a sweeping charge against such a loyal body of men as the chemists in Dublin.

The President: It was the Dangerous Drugs Act that he was speaking of at the time, and that was what was in his mind.

Financial Statement

Mr. Lee, in the absence of Mr. Beggs (hon. treasurer), submitted the statement of accounts. He said that in accordance with a recommendation sent forward from the previous annual meeting, Mr. Robert J. Kidney, incorporated accountant and auditor, had been appointed to examine the books and draw up a balance-sheet. He would read Mr. Kidney's report, which practically explained the position. The report contained the following:

Owing to the fact that in previous years the accounts presented were only an abstract of receipts and payments, it is difficult to compare the figures, but the surplus of £300 10s. 4d. appears to be satisfactory. The total working expenditure, exclusive of examiners' fees, amounted to £1,660 10s. 10d., while the examiners' fees, shown as an expense against the examination-fees, amounted to £415 19s. In the balance-sheet I have shown the investments at the market prices ruling on August 31, and the items furniture and fittings £563 15s. and premises £900 have been valued by J. H. North & Co. The balance of capital now stands at £2,786 8s. 6d., and I consider the present position of the Society quite satisfactory. The preparation of the accounts in the present form necessitated a complete alteration of the old system, and I received every assistance from Mr. Ferrall in my work.

Mr. Lee proposed that the accounts be adopted, and Mr. A. Owen Wells seconded.

The report read by the President and the statement of accounts were adopted.

Grade of Registered Druggists

Mr. Storey said he had written to Mr. Ferrall to place upon the agenda a question with which he had been deeply concerned for a considerable time—the question of the abolition of the grade of registered druggists. He addressed his letter to 97, instead of to 67, Lower Mount Street, and it took the postal authorities from September 17 to 23 to discover the difference, with the result that the matter arrived too late to be placed on the agenda. In no other country was there such a grade as that of the registered druggists. It was felt by a large number that it no longer served a useful purpose; and he thought members would agree with him that it would be for the benefit of the whole craft that it should be abolished if its abolition could be arranged, because it was looked upon as a drag to pharmacy. He did not want to make any suggestion as to how the abolition should be accomplished; he would prefer to leave that to the members of a committee or commission set up to deal with the question. But he would like an expression of opinion from those present. The question had never been discussed in a formal manner. It was talked over after a meeting of the Council on one occasion, but nothing had been done.

Mr. Watson said the question could not be discussed in a formal manner at the present meeting, because it was not on the agenda. Mr. Storey had stated that the question had been brought before the North Irish pharmacists. Was it before the whole of the North Irish pharmacists or before a committee? Was it before the pharmacists of the North of Ireland or before the pharmacists of the six counties? What number exactly agreed to the principle that Mr. Storey had enunciated at that meeting?

Mr. Culbert said the matter had been discussed in committee with the North Irish Pharmacists' Association; and the Committee, as representing to some extent the opinion of the members of the Association, considered that a basis might be arrived at for discussion before a larger meeting. Political matters then arose necessitating the calling of a meeting of the pharmacists of the six counties; and the question as Mr. Storey put it had

never been put to that meeting at all. The whole thing was blurred and spoiled by a cry got up that it was an attempt to break up the Pharmaceutical Society. Nothing was further from the truth than that, but the members got so obsessed by it that they passed a resolution of loyalty to the Pharmaceutical Society and left the principal question undiscussed; and it still remained undiscussed. He thought that was some answer to Mr. Watson's query. The matter had never got to the concrete stage of being put to the pharmacists at a general meeting; and they had no idea of how the voting would go. In speaking to their members they found a great many anxious that some move should be taken and an end put to the situation. There were others who did not want anything done at all. But there were a great many who would like to see something done.

The President said this was a difficult subject on which to express an opinion at present, seeing that things were in such a nebulous position. They did not know where they would be. Until matters assumed a more definite form in Government circles, he thought it would be inadvisable for them to do anything. This matter had been discussed with the Attorney-General. They were assured that the Society would continue for the whole of Ireland unless Irish legislation to the contrary took place.

Mr. Storey: That is not my question at all. We do not want a separate Council. It is not a question of separation at all. But the question is: Would it be for the benefit of the craft that this grade should be abolished? Druggists do not want a separate Council. They had to get unity in the North of Ireland. I suggest that some committee should deal with it. I thought a general meeting ought to make some recommendation to the Council.

Dr. Walsh thought it was the general opinion of pharmacists in Ireland that an end should be put to the grade of registered druggists. Some arrangement should be made by which the existing druggists could be absorbed into the Society as pharmacists, and no more examinations of the kind held. There was one great difficulty that occurred to him. It was that, no matter how they modified the examination, there would be a certain percentage of the registered druggists who probably could not pass it. He would certainly hope that some *modus vivendi* might be found, some means of absorbing them.

Mr. Culbert said those pharmacists who had met and discussed the possibilities of this scheme were all agreed on the necessity of pharmacy being made a subject of the examination. While much might be said as regards chemistry and botany, the candidate must be able to pass an examination in pharmacy and have practical experience in pharmacy.

Mr. Hanna said that no matter what scheme they might formulate, there would be a number of druggists in business who would not conform to any regulation they made. The difficulty was: What could they do with these? Then, again, they were liable to lose the sense of their responsibility to those who were at present in business as chemists. If they made any sweeping change they would not be exactly fulfilling their trust to them as they ought.

Mr. Watson said he could not discover what was the opinion of the pharmacists—was there an agreement between the pharmacists and the druggists in the North of Ireland? What Mr. Culbert said amounted to this—that this scheme had never been discussed by pharmacists in the North of Ireland. If any scheme could be agreed on, he (Mr. Watson) was anxious to bring in the registered druggists.

Mr. W. F. Wells said the registered druggists knew when they entered into business that they would have no legal claim to qualify as pharmacists. They never had a right to compound prescriptions. Mr. Storey should have told them what his proposition was. There were many registered druggists throughout Ireland, especially the North, who did not pose as chemists. They simply sold a few drugs. Surely the Pharmaceutical Society would not take an apprentice from one of these men. But they were asked to take any man who had been twenty years in business and give him a present of their licence. He thought it was a monstrous demand. Without an Act of Parliament the Society had no power whatever to take in a druggist.

Mr. Mellon thought this question ought to be submitted to every pharmaceutical chemist in Ireland. As to the modification of the examination, that was entirely out of the question, because the vast majority of the chemists, especially in the South and West of Ireland, would vote solidly against it. (Hear, hear.) He was in favour of abolishing the Registered Druggist examination, but an examination something like their present Licence examination should be substituted first. Give the registered druggist five years to prepare for such an examination. To give them the same status as pharmaceutical chemists without an examination would be a monstrous idea.

Mr. Storey said he wanted to get an expression of opinion as to whether the registered-druggist grade should be abolished. Let them leave the details until afterwards. He did not want to divide the country.

Mr. Lee said he would like to see the grade abolished if it could be done in a way that would give satisfaction to Ireland. The Council of the Society could not do it unless they had the support of the pharmaceutical profession throughout the country. He suggested that Mr. Storey should bring forward a scheme showing the advantages that would come to the pharmaceutical chemists if the druggists were abolished, because unless the pharmaceutical chemists could be convinced that the abolition would be an advantage to them he did not think there was very much chance of getting them to agree to it.

After some further discussion the President said he did not think that any purpose could be served by pursuing the discussion any further. He thought Mr. Storey should allow the matter to stand over for, say, six months; and in the meantime he could pursue whatever course he wished in the way of obtaining the views of pharmaceutical chemists throughout Ireland on the subject.

Votes of Thanks

Mr. Mellon proposed a vote of thanks to the Registrar, Mr. Ferrall, who, he said, was most courteous to all of them whenever they required any information, and who seemed to have the work of the Society at his fingers' ends. Mr. Oliphant seconded, and the President, in putting the vote of thanks, said Mr. Ferrall seemed to be indispensable there. He took a deep interest in his work, and they hoped he might long be spared to fill the office he held. (Applause.)

The vote of thanks was adopted amidst applause.

The President welcomed Mr. Doyle as a newly-elected member of the Council. He hoped he would be able to attend their Council-meetings regularly. Judging from the number of votes recorded in his favour his election was a most popular one. He wished to welcome him most heartily. (Applause.)

Mr. Doyle returned thanks, and said he hoped to give satisfaction.

Mr. A. Owen Wells proposed a vote of thanks to the President. Mr. Connor, he said, had been an admirable President. He had spent a great deal of time in London in connection with the Dangerous Drugs Act, and it was only just that they should accord him a very hearty vote of thanks for the way in which he had presided over them as Vice-President and as President. (Applause.)

Mr. W. H. Boyd seconded the vote of thanks, which was adopted amidst applause.

The President returned thanks, and said that had it not been for the manner in which he had been supported by the Vice-President, Dr. Barnes, and by Mr. Ferrall, his duties would not have been so easy.

Council-meeting

At the monthly meeting of the Council of the Pharmaceutical Society of Ireland, held in Dublin on October 11, Dr. A. J. Barnes, Dublin, was elected President for the coming year; Mr. Richard Blair, Cork, was elected Vice-President; and Mr. G. D. Beggs, J.P., was re-elected treasurer. Messrs. G. A. McLean Lee and Mr. Charles E. Digges were re-elected auditors. The committees were also elected.

Marriage

KITCHING—POPPITT.—At Holy Trinity Church, Coalbrookdale, on October 5, by the Rev. C. B. Crowe, M.A., Charles Francis Kitching, M.P.S., eldest son of the late Mr. A. S. Kitching, Oakengates, to Eunice Clemson, youngest daughter of the late Mr. H. T. Poppitt, Coalbrookdale.

Deaths

ASTON.—At Riversdale, Worthing, on October 10, after a long illness, Mr. Walter Aston, Ph.C. (W. Aston & Co., Ltd., chemists, 27 Montague Street), aged sixty-five. After carrying on business successfully in Worthing for many years, Mr. Aston formed a limited company a few months ago, and was joined by Mr. F. W. Roberts, chemist and druggist, and Mr. W. E. Martin, chemist and druggist, as directors. Three shops were comprised in the business, a branch at Lancing having been disposed of to Mr. C. Cutcliffe, chemist and druggist, in the latter part of the year 1919. Mr. Aston was a member of the local Committee at the Brighton meeting of the British Pharmaceutical Conference in 1905.

MR. W. ASTON.

CULSHAW.—At 16 Karslake Road, Liverpool, on October 8, Mr. John Culshaw, chemist and druggist, eldest son of the late Mr. Robert Culshaw, Ormskirk. Mr. Culshaw, who qualified in 1896, was at one time in business in Penny Lane, Wavertree. He had latterly acted as manager to the late Mr. Hardy, St. John's Lane, and to his executrix.

GILES.—Recently, Mr. E. S. Giles, founder of Giles, Ltd., chemists, 113 Great Homer Street and 105 Scotland Road, Liverpool. Mr. Giles had abilities which won him success in business and the esteem of the population of his district. He resided in Cheshire.

SENIOR.—At College Road, Ripon, on September 30, Mr. William Furber Senior, Ph.C., aged seventy-three.

Personalities

MR. W. F. R. BURGESS, M.D., M.R.C.S., L.S.A., has been elected Master of the Society of Apothecaries of London.

COUNCILLOR W. H. GRIMSHAW, chemist and druggist, has been appointed a member of the Blackburn Insurance Committee.

MR. A. LANDER, Ph.C., Canterbury, has been appointed almoner of the United Industrious Lodge of Freemasons.

MR. J. E. ISHERWOOD, chemist and druggist, Blackburn, was, on October 6, initiated as an honorary member of the Manchester Unity of Oddfellows.

MR. C. E. UNDERHILL, managing director of C. E. Underhill & Co., Ltd., chemists, Callington, has been appointed a justice of the peace for the county of Cornwall.

MR. D. H. BOWDLER, son of Mr. E. H. Bowdler, chemist and druggist, Stafford Street, Wolverhampton, has passed the Cambridge senior local examination with honours in spoken French.

MR. LAWRENCE GREENWOOD, chemical manufacturer, Stacksteads, Bacup, who has been a member of Haslingden Town Council for ten years, has accepted an invitation to become Mayor of the borough.

AT the consecration of the Harpenden Lodge, No. 4,314, at St. Albans, on October 4, Mr. F. W. Freeman, Ph.C., Radlett, a founder of the lodge, was installed first Master, and Mr. J. Busby, chemist and druggist, Harpenden, was appointed Secretary.

MR. JOHN GIBSON, F.C.S., F.I.O., F.S.A., chemist and druggist, Hexham, gave an illustrated lecture at the opening of the session of the Hexham Nonconformist Literary Society on October 7. His subject, on which he is an authority, was "The Priories of Brinkburn, Hexham, and Lanercost."

PROFESSOR J. C. PHILIP has been presented by past and present students of the Royal College of Science, South Kensington, London, S.W., with an illuminated address, a tea and coffee service, and a sum of money, in commemoration of his completion of twenty-one years' service at the College.

AT the recently held Wolverhampton swimming sports, Mr. C. M. Warner, chemist and druggist, won the diving competition; Mr. H. Warner, chemist and druggist, won the pillow fight; and Mr. H. Coleman, son of Councillor J. H. Coleman, chemist and druggist, was second in the Cupiss cup race and the pillow fight.

MR. A. CHASTON CHAPMAN, F.R.S., F.I.C., President of the Institute of Chemistry, has been appointed a member of the Royal Commission on Awards to Inventors in the room of Sir James Dobbie, resigned. Mr. Chapman's Cantor Lectures on micro-organisms, delivered before the Royal Society of Arts in November and December 1920, have lately been issued in pamphlet form.

SIR EDWARD BROTHERTON, M.P., chairman of Brotherton & Co., Ltd., manufacturing chemists, Leeds, has given the sum of £20,000 to Leeds University for the development of bacteriological study and research. Sir Edward, who is chairman of the University advisory committee of the department of pathology and bacteriology, was Lord Mayor of Leeds in 1913-14, and during the war equipped at his own expense the 15th Service Battalion of the West Yorks Regiment.

MR. E. ALFRED WEBB, Ph.C., deputy-chairman of Evans Sons Lescher & Webb, Ltd., has been giving a "Morning Post" representative some interesting particulars of recent excavations at the Church of St. Bartholomew, West Smithfield, London, E.C., of which he is a churchwarden. It appears that an ancient monastic well, 20 ft. deep, has been found, and that portions of a long-missing buttress have been brought to light. It is expected that full possession of the cloister, which has been used as a stable (probably continuously) since 1539, will be obtained by the church next year.

WE are indebted to Mr. E. A. Atkins, F.C.S., Ph.C., President of the South-West London Chemists' Association, for pointing out a coincidence that deserves to be put on record. On the night of Mr. Atkins's election, Mr. Thomas Marns became President of the Ealing and District Pharmacists' Association, which covers a district largely, if not entirely, within the London postal area. Both of these Presidents are Sunderland men, and served their apprenticeships during the same period in "rival" pharmacies. The coincidence is rendered more singular by the fact that Mr. Atkins followed another Sunderland man, Mr. John Humphrey, Ph.C., in the chair of his Association.

Wills

MR. DAVID DRAPER DUNCAN, chemist and druggist, 482 Fishponds Road, Fishponds, Bristol, manager of Mr. C. A. Stokes, chemists, Stapleton Road, who died on August 20, left estate valued at £277 16s. 3d.

MR. WILLIAM WALLER, Croft House, Lostock Park, Lostock, near Bolton, chairman of Waller & Riley, Ltd., wholesale and retail chemists, Bolton, who died on May 29, left estate of the gross value of £8,379 3s., of which £8,144 8s. 2d. is net personalty.

THE new offices of the Swedish Chamber of Commerce in the United Kingdom, 14 Trinity Square, London, E.C. 3, were opened on October 12 by the Crown Prince of Sweden.

Trade Notes

CELMO, LTD., 1 Carlton Street, London, S.W. 1, are conducting an advertising campaign in the Press regarding Celmo and Celmetz.

GLOSSETTES.—Ernest Jackson & Co., Ltd., Crediton, offer an attractive bonus on £5 orders for Glossettes—cushion-shaped liquorice and menthol pellets.

THE QUARTERLY PRICE-LIST of Ayrton, Saunders & Co., Ltd., Liverpool, is out this week, and will be sent to customers and other pharmacists who ask for a copy.

WINTOPINES is a name applied to a new chest and lung tablet perfected in the laboratories of Goodall, Backhouse & Co., Leeds. Wintopines retail at 6d. a packet.

CYCLAX PREPARATIONS for the toilet are now obtainable on trade terms from Cyclax, 58 South Molton Street, London, W. 1. Particulars are given in an announcement in this issue.

"ETHERMETH SMITH LONDON" is the altered telegraphic address of Alfred White & Sons, Ltd., manufacturing chemists, 28-31 Allen Street, Goswell Road, London, E.C. 1.

MARGERISON'S ASCOT TOILET SOAP.—J. Margerison & Co., toilet-soap manufacturers, Preston, offer to send a free sample box of Margerison's Ascot toilet soap and a Macura shaving-soap refill to all chemists who apply.

OWBRIDGE'S LUNG TONIC.—W. T. Owbridge, Ltd., The Laboratory, Hull, suggest that stocks of Owbridge's Lung Tonic should be replenished now. A comparison of cost and selling price is given to show that the profit is good.

COTARNINE.—J. F. Macfarlane & Co., Edinburgh, and 9 and 11 Moor Lane, Fore Street, London, E.C. 2, send us a sample of cotarnin hydrochloride, of which alkaloid they were the first makers in this country. The salt is in the form of a pale greenish yellow powder.

AUSTEN FOODS, LTD., Bath, advertise in this issue two new foods—Valeda, for invalids, and "Good as Gold," for babies. The London agents are J. C. Gambles & Co., 49 Farringdon Street, London, E.C. 4, and the agent for Ireland, Hugh Moore & Alexanders, Ltd., The Linen Hall, Dublin.

ARMOUR'S CHRISTMAS CASKETS.—Armour & Co., Ltd., Queen's House, Kingsway, London, W.C. 2, advertise a novelty, in the shape of Japanese lacquer caskets, containing a large selection of toilet articles. These are offered in two sizes, and should be very saleable as Christmas presents.

MOORLAND TONIC (W. B. Cartwright, Ltd., Rawdon), of which No. 4 has recently been published, well maintains the standard set up by its predecessors. The current issue contains a prize article, entitled "Chemists' Advertising," by Mr. A. E. King, Ph.C. (Fuller & Co., chemists), Norwich, and other interesting features.

SLIPPERINE.—Johnston & Adams, wholesale druggists, Murraygate, Dundee, call attention to Slipperine ballroom floor-polish, which is much in demand at this season of the year. It retails at 1s. 6d. and 2s. 6d., and the prices are protected under the scheme of the Proprietary Articles Trade Association. A list of wholesale distributors was given in the issue of the *C. & D.* for October 1. Applications are invited for window-show terms.

D.D.A. CARD.—Duncan, Flockhart & Co., 104, 106, 108 Holyrood Road, Edinburgh, have prepared a four-page folding card, which gives on the front page "Salient Points of the Regulations Imposed by the Dangerous Drugs Act, 1920." On the other pages a list of drugs and preparations which fall within the scope of the Act, with useful information regarding the percentage-content of Duncan, Flockhart & Co.'s preparations. The firm will be glad to send a copy of the card to any of our readers who apply for one.

THROUGH the generosity of the directors of Bovril, Ltd., the committee of the Bovril swimming gala will be able to hand over to the Great Northern Central Hospital the proceeds from the event, which was held on October 6.

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Coming Events

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Friday, October 14

Commercial Motor Exhibition, Olympia, London, W., at 11 A.M. Opens and remains open until October 22. Admission 2s., Saturdays 1s.

Tuesday, October 18

British Chemical Trade Association, 80 Fenchurch Street, London, E.C., at 2.30 P.M. Third annual meeting.

South-West (London) Chemists' Association, Progressive Pharmacy Club, Arundel Hotel, W.C., at 8.30 P.M. Opening meeting. Lecture on "Coloured Photography" by Mr. Mills.

Wednesday, October 19

Chemists' and Drugists' Society of Ireland, 11 Waring Street, Belfast. Members' smoking-concert.

Thames Valley Pharmacists' Association, Kingston Hotel, Kingston-on-Thames, at 2.45 P.M. Annual meeting.

Manchester and Salford Chemists' Assistants' Association, Clarion Café. Social evening. Reception from 7.30 to 8 P.M. by Professor J. Grier, M.Sc. Friends invited. Tickets (2s. each) from Miss J. Thomas, 34 Clayton Street, Clayton, Manchester.

London (Western) Pharmacists' Association, Pinoli's Restaurant, Wardour Street, London, W., at 8.30 P.M. Address by Sir William Glyn-Jones on (1) "Jenkin *v.* The Pharmaceutical Society and its Aftermath"; (2) "The Dangerous Drugs Act Regulations."

Welsh College of Pharmacy, Cardiff, at 3 P.M. Opening of the third session. Mr. Edmund White (ex-President of the Pharmaceutical Society) will deliver the inaugural address and present medals and prizes. Tea provided. Pharmacists, their wives, and friends are invited to be present.

Thursday, October 20

Chemical Society, Burlington House, Piccadilly, London, W., at 8 P.M. Messrs. R. L. Grant and F. L. Pyman on "Nitro- and Amino-derivatives of 4 phenyl-glyoxaline."

Institute of Ophthalmic Opticians, Lecture Theatre, Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 P.M. "Ettles Lecture" on "Methods and Practices in Skiametry," by Mr. Charles Sheard, Ph.D. (Editor of the "American Journal of Physiological Optics").

East Anglian Federation of Pharmacists, Howard de Walden Club, 16 Weymouth Street, London, W. 1, at 3 P.M. Quarterly meeting, followed by high tea about 5.30 P.M. Tickets (3s. per head), before October 17, from Mr. S. G. Tydeman, Secretary. Mr. E. T. Neathercoat, President of the Pharmaceutical Society, will give an address, and Mr. A. W. Nunn, Colchester, will give a paper on "Pharmacy for the Pharmacist."

Information Department

INFORMATION WANTED

S/1110. Sphagnum moss extract
B/1210. Hughes' patent hair-brush
B/1010. "Tanglefoot" fly-papers (London supply)
E/1210. Saprol
A/1110. Altazar hair tonic
M/1110. Selamine
T/710. Bozongle's nail varnish
S/1210. Electric tooth-brush
M/1210. Hypnobromic
D/1210. Borden's malted milk (London agency)

INFORMATION SUPPLIED

British vacuum flasks, S/410
Canthrox shampoo-powder, T/410
Carnate nail-polish, L/910
Chemists' twines, L/219
"Clincher" gasogenes, S/810
De Jongh's cod-liver oil, H/309
No. 77 Eau de Cologne, E/310
Gelatin bottle-caps, J/279
"Gem" stills, J/279
Glass advertisement letters and signs, G/199
Glass and opal pots for holding toilet preparations, N/299
Hauthaway's peerless gloss, H/179
Koh-i-noor tooth-brush, C/910
Kresophen, C/99
Letchford's liquid milk of rose, O/279
Liquenzymes, B/269
"Maxa" ointment, S/510
Mulford's products, R/99
Munktell's Swedish filter papers, B/410
Parton's pills, S/139
Pepsodent tooth-paste, T/310
Petrole Hahn, L/710
Phosphophora, C/710
Poison registers, W/110
Poths' shop-rounds and bottles, S/289
Regulin, S/89
"Sallyco" mineral waters, L/1010
Sohacht's liq. bismuth. sed., B/810
Seeger's hair-dye, F/289
Solac, E/239
Small water stills, J/279
Thermol, S/510
Valda pastilles, H/159 and O/279
Vergotinin, E/1010
Virolax, S/139
Welch's (widow) pills, D/269
Walker's blockettes, M/199
"Yadil," S/309
Young's hygienic bin, W/269

Observations and Reflections

By Xrayser II.

Sir David Prain's Address

to the Pharmaceutical Society's School, brilliant, suggestive, and witty as it was, had, I fancy, the fault of being a good deal above the heads of most of his audience. Certainly it makes stiff reading, and I cannot after a first perusal pretend fully to have grasped its argument. This can hardly be due to any intrinsic difficulty in dealing with the subject; for my general impression is that, abstruse as much of the address was, what it all came to is simply that the true method of education is what one may reasonably call the natural method—that, namely, of getting some practical experience of life before studying its philosophy. Common sense has been called unconscious science, and the exercise of common sense on problems as they arise is certainly the best introduction to their scientific study. Sir David used the words "training" and "instruction" in a somewhat restricted, indeed I might almost say in a mutually exclusive, sense, and it would hardly be an exaggeration to add that he spoke of the latter as if it were no essential factor in education. Apparently he had in mind only that kind of instruction whose object is to prepare the pupil for an examination, a species of cramming, in fact; but in reality instruction is as necessary to education as training itself; indeed, the two cannot be separated. He spoke, too, as it seems to me, a little extravagantly about the teaching of "unwritten history"; whatever we may mean by that term, the evidence of unwritten history requires as much sifting and as much revision as any. Nor is it a scientific way of speaking to say that history repeats itself. It does so in a very general sense only, if at all; it is doubtful whether any event in history has ever been so nearly repeated that an inference could safely be drawn from the one to the other.

The Agreement

arrived at by the Conference on local organisation seems to amount to this: Only local associations consisting entirely of members of the Society can be branches of the Society; only those which consist entirely of members of the Union can be branches of the Union. An association (if such there be) whose members are all members of both bodies may, I presume, be a branch of both, yet be not three associations but one association. An association that consists partly of members of the Society who are not members of the Union and partly of members of the Union who are not members of the Society, may form, within itself, if possible, a branch of both bodies (I hope there is no confusion of metaphors here), each to consist of members of the "respective central bodies" only, and yet, again, the association will be not three associations but one association. This somewhat complicated scheme is still further complicated by the fact that these branches need not consist only of members of the association which forms them, for it is recognised that this may not always be possible, but may include outsiders, whose consequent relation to the association it would, I fancy, be hard to define. It is recommended that

The Leeds Model

(see *C. & D.*, September 3, p. 53) be adopted, the Conference having apparently overlooked the fact that the Leeds scheme and its own are not really compatible, the former insisting that for "full membership" membership both of the Society and of the Union is requisite, whereas the latter would accept as a full member of an association anyone who is a member of either body. But, leaving this point, the Leeds scheme (which I have already criticised) makes an invidious distinction between the branches of the Society and those of the Union, which would be fatal to their independent—and equally so to their harmonious—working. Beyond again emphasising this fact, I refrain, for the present, from criticism of the report of the Conference. It may be the best that an almost hopeless situation leaves possible, but to me it seems to suggest as many difficulties as it purports to solve.

We were Advised

the other day from an influential quarter not to supply customers with laudanum so diluted as to bring it below the limit of the Dangerous Drugs Act, but the advice, I presume, was not intended to apply to cases in which the Home Office recommends, or, rather, enjoins the use of such a diluted tincture. As I foretold some months since, certificates empowering them to purchase laudanum of the official strength will only be granted to farmers and stockowners "in a large way of business," and those in a small way who need it must (we are officially told) obtain a sufficiently diluted article. An aqueous tincture is obviously the most suitable form in which to supply this. Whether it can legally be supplied as "diluted laudanum" I do not know, since laudanum is the official synonym for tinctura opii B.P., but this need not trouble us. I agree with the advice referred to so far as to deprecate the recommendation of such an article to those suspected of being opium-takers, but I see no reason why it should not be supplied in moderate quantities to anybody who obviously wants it for a legitimate purpose.

The Recent Cases of Poisoning

through the mistake of a doctor in giving glycerin of belladonna for liquid extract of cascara reminds me of another case in which the same mistake between the same two preparations was made with a fatal result, not by a dispenser, but by the person administering the medicine. This was reported in the *C. & D.*, II., 1897, p. 2, and is referred to here not so much on account of the curious coincidence as for the light it throws on the practice of that time with regard to the use of poison-bottles. The two medicines had been dispensed (it was alleged by a chemist, but there seems to have been some question of this) in bottles of the same size and appearance, the only reported difference being that the belladonna preparation was labelled "For external use only." A member of the jury very properly condemned this—which, however, the coroner justified. The juror declared that in France a pharmacien who did not use a poison label and bottle would be liable to fine and imprisonment, but Mr. H. H. Swann, writing from Paris, denied this, the only requirement, he said, being a red label with the words "Medicament pour usage externe." He considered that poison-bottles had been wisely rejected, and it is curious that, although they had been in partial use for more than twenty years, there was a similar prejudice against them here. "The Lancet" said, in 1877, that there could be "no possible excuse" for their universal use, and it is evident from the reports of poisonings in the *C. & D.* about that time that they were anything but commonly used. Savory & Moore had a liniment-bottle of their own; but I do not remember what it was like. I do remember, however, that some of the bottles on the market were not at all satisfactory.

Your Centenary Article

of April 2 on the death of Dr. Gregory refers, among other interesting particulars of his career, to his friendship with the poet Burns. Lord Rosebery, in the address delivered at Dumfries in celebration of the poet's centenary (which is printed as the first article in his lordship's recently published "Miscellanies Literary and Historical"), goes one better, reminding his audience that they have near them "the room in which the whistle was contended for, and in which, if mere legend is to be trusted, the immortal Dr. Gregory was summoned to administer his first powders to the survivors of that memorable debauch." I gather that this legend is not very well authenticated, but the mere fact of its existence should endear Gregory's powder to all Scotsmen. For myself, poor Southron as I am, I shall never take another dose of it without thinking of Tam o'Shanter and Souter Johnnie—not to mention the "Cutty Sark."

Two public dispensaries in the City of London are, it is announced, to be amalgamated with others.

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An announcement of particular interest to you appears in this issue on page 18

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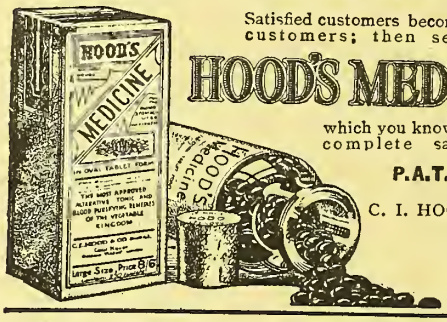

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Editorial Articles

The Position of Arsenic

CONSIDERABLE uncertainty appears to exist in regard to the market position of arsenic, as may be gathered from the widely differing quotations which have been heard of within the last fortnight or so. Admittedly, the actual value of any commodity is, as a rule, the figure at which it can be sold, although this figure is apt to vary a good deal, according to whether this refers to first-hand supplies or parcels in second hands. The question of quantity, too, accounts for a disparity in values. In our issue

of October 1 last the much-increased quotation of £43 per ton, delivered London, given in our market columns for white Cornish powdered arsenic, was that actually asked by some of the larger agents of mine-owners. This quotation, we understand, was based on the new terms of about £40 delivered at the mines, which were officially agreed upon at a meeting of the Cornish producers towards the end of last month. This decision would seem to have been arrived at in anticipation of shortcomings in the supply in the face of a rather increased export demand. At any rate, Canada has been inquiring for a few large parcels. Quotations which usually represent producers' terms have been repeatedly issued at figures ranging from £42 to £43 per ton delivered, but from the close investigations which we have made it is only fair to state that there has been, up to the time of writing, no actual business put through on the terms above mentioned, nor at £37 10s. delivered London, to which a few of the mines lowered their price early this week. There has been no change of attitude on the part of the other Cornish producers, who adhere to the limit referred to of about £40 per ton delivered at the mines. In the meantime, very irregular quotations have been current among dealers at this end and at provincial centres on either side of £34, according to terms of delivery and quantity. Of course, the price delivered London under present freight costs is well over £2 per ton over that understood "free on rail, Cornwall." Not a few dealers, who bought at the fall last month down to about £30 per ton taken at the mines, seem willing enough to undercut the market at the recent recovery, which, strangely enough, has been partly attributed to the Safeguarding of Industries Act. The arbitrary terms demanded have virtually brought the demand for first-hand supplies to a standstill, and the course of the market is now uncertain. The Cornish output, which for 1919 amounted to 2,527 tons, or only 100 tons under the "record" figures for 1917, dropped during last year to below 2,000 tons, or about the pre-war figures, and it is probable that there has been a further set-back during the current year. Arsenic is chiefly turned out as a by-product at the Cornish mines, where the exploitation of tin ores has become badly upset by unremunerative conditions. Under the present poor state of the tin industry there does not seem much chance of the home output of arsenic experiencing any important recovery, although the price is still a long way above what it was in the pre-war year 1913—namely, about £10 per ton. The price of white Cornish powder at the opening of this year was at around £68, and the market moved steadily downwards to about £32 delivered London, last month, due to an extremely dragging demand, so that the rallying tendency now witnessed is naturally arousing curiosity. Anything like an urgent demand in order to replenish stocks by users would, of course, help producers in developing aggressive views. The fact may be recalled that the extreme highest recorded within the war period or in the year 1918 was £150 per ton, which, however, was apparently only secured for limited quantities. The current value, all the same, is considered by consumers to be still unduly inflated.

Nine Months' Foreign Trade

The revival in overseas trade which began in July and continued in August also showed a further improvement in September, but the recovery is painfully slow, though the fact that no check has yet been suffered is an encouraging sign. Compared with the previous month of August, the imports, at £87,118,500, are about 1½ millions less, while compared with September last year the decline is £65,638,600. This decrease was distributed between foodstuffs, 19 millions: raw materials, 24 millions; and manufactured goods, etc., 23 millions. The fall in world's prices has no doubt a great deal to do with this comparison, as actually more food was imported, and the same applies to raw materials—e.g., the value of raw cotton imported declined from about £8,986,000 to £4,200,000, but the quantity imported was almost 3,800,000 lb. more. The decline is particularly noticeable in chemicals, drugs, etc., only £984,000 being imported, or £2,195,187 less than in September 1920, when the trade boom had not expended itself. Anticipation of the operation of the Safeguarding of Industries Act is noticeable in a few items only, like acetic acid (422 tons, against 320 tons), tartaric acid (3,882 tons, against 464 tons), and zinc oxide (474 tons, against 298 tons). Miscellaneous chemicals were down to £261,000, and miscellaneous drugs down to £149,000, but the quantities imported were no doubt considerably larger, as advantage was taken of the depreciated German mark to anticipate requirements of chemicals on a much-extended basis. The exports of British goods for September show an advance as compared with August of almost four millions sterling at £55,247,000, but it is nothing to enthuse about. If the comparison is made with September last year, the figures are lamentable, the drop in this case being no less than 62 millions sterling, or more than 50 per cent. Of this 58 millions was in manufactured goods. The chemical and drug figures during September of the past two years and 1913 were as follows:

1913	1920	1921
£	£	£
1,474,253	3,942,946	1,372,353

It will be seen that the decline compared with 1920 is £2,570,000, but compared with the pre-war year 1913 the drop is only £101,400. The drug and medicine figures were:

1913	1920	1921
£	£	£
210,821	518,239	170,544

September was, therefore, a lean month in the drug trade, but it was £20,000 better than in August and £7,000 better than in July of this year. Turning to the nine months' figures of our overseas trade, we have imported goods to the value of £827,678,000, compared with £1,501,412,000 in 1920, a decrease of £673,734,000. The exports for the same period showed a decrease of £488,617,000, the figures being: 1921, £518,661,300, and 1920, £1,007,278,000. The figures demonstrate the enormous contraction in the value of overseas trade, due in a large measure to the deflation in values as well as quantities.

Overcrowding Pharmacy.—With regard to limiting the number of entrants to pharmacy, in order to prevent further overcrowding of the profession in that country (*C. & D.*, September 3, p. 45), the Austrian Government has now issued a by-law to remain in force for one year, according to which the number of new apprentices may not exceed a ratio of one apprentice to every ten pharmacies situated within the limits of each pharmaceutical "Gremium," i.e., territorial district of each official representation of the profession. In addition, the number of apprentices which have been admitted since July 1, 1921, has to be deducted from this maximum number. No pharmacy will be allowed to accept more than one apprentice.

Chemical Society

THE first ordinary scientific meeting in the present session of the Chemical Society was held on October 6 at Burlington House, Piccadilly, London, W. Dr. Forster being in the chair. Owing to the large number of papers on the list to be presented that evening, the authors had to confine themselves to a brief *exposé* of their contributions.

A New Adjustable Thermostat for all Temperatures between 0° *and* 100° was the subject of a communication by Dr. S. Judd Lewis (in collaboration with Mr. F. M. Wood), which dealt with the manufacture of a thermostat of large size, constructed in connection with work on variations in the specific volume of cellulose. The resulting apparatus, which was illustrated by means of slides, made it possible to obtain a constant temperature for a prolonged period, the variations not exceeding 1/100 of a degree. Mr A. F. Dufton presented two papers, which were taken together, *The Separation of Miscible Liquids by Distillation, Laboratory Still-heads*, and *The Separation of Miscible Liquids by Distillation: A Continuous Laboratory Still.* The ordinary way of investigating two liquids by distillation is by collecting the fractions distilling over between certain temperature ranges. The author undertook an investigation of the thermal efficiency of stills, i.e., the amount of heat theoretically required and the amount actually required in practice. These investigations were based on the continuous distillation of a mixture of benzene and toluene, for which a suitable laboratory apparatus was required. The author described the apparatus elaborated by him, the principal feature consisting in the introduction of a spiral tract in the still-head. Mr. P. K. Dutt (with Messrs. H. R. Whitehead and A. Wormall) read an abstract of their paper on *The Action of Diazo-salts on Aromatic Sulphonamides, Part I.*, in which reference was made to preliminary researches, whereby an azo and a diazo compound were obtained. The results obtained from the decomposition of the diazo salts of benzolsulphonamide and the resulting diazobenzylamide and sulphinic acid were briefly discussed. *Neutral Solt Action on the Hydrolysis of Ethyl Formate* was the subject of Mr. A. B. Manning's paper, in which the author dealt with the action of a neutral salt on the electrolyte. Thus the presence of potassium chloride increases the hydrolysis of cane-sugar. The catalytic hydrolysis of ethyl formate alone in water was first studied, whereupon the effect of the addition of certain neutral salts was investigated, such as potassium chloride, sodium nitrate, calcium chloride, glucose, etc., and the constants established. The author, in conclusion, referred to Arrhenius' dilution law and the equations dealing with the concentration of ions in solution. Mr. A. Shimomura (with Mr. J. B. Cohen) read a paper on *Synthetic Optical Activity*, the title of which was criticised in the following discussion, as it dealt with investigations bearing on combinations of an asymmetric group with an active group, and the results of the interaction of various substances and their rotation. *The Mechanism of the Action of Fused Alkalis, Part II., Action of Fused Potassium Hydroxide on Phenylglyceric Acid* was the title of the paper contributed by Mr. C. C. Wood (in collaboration with the late Dr. H. R. Le Sueur). It was found that in one case fused potassium hydroxide produced tautomeric changes on oxidation of certain acids, and the effect on a simple acid, phenylglyceric acid, was, therefore, studied. It was found that the reaction took a different course at different temperatures, thus at 150° toluene was given off as a vapour, while in the residue benzoic and oxalic acids were found. When the experiment was repeated at a temperature of 250° the same residue was found, but in different proportions, and by varying the conditions under which the experiments were carried out it was found possible to vary the proportions of these three products of oxidation.

THE D.D.A. Prescribers' Card is heartily welcomed and appreciated by medical men.—*P. F.* (11/10).

Dangerous Drugs Act

"Dictionary of Difficulties"

THIS booklet, which explains difficulties in interpreting the Dangerous Drugs Act and Regulations, is the only publication of its kind, and should be kept handy by all "authorised" persons dealing in "dangerous" drugs. It measures 6 in. by 3½ in., and consists of forty pages. The booklet is particularly suitable for distribution to members of local Associations, as it forms a useful companion to the *C. & D.* Card for Chemists, of which many thousands have been sold.

The secretary of a local Association, who obtained a supply, reports: "The little 'Dictionary of Difficulties' sold like hot cakes at the meeting last night. The members were surprised at the amount of information it contains."

The price of the "Dictionary of Difficulties" is 6d., post free, or, where required in quantity by Associations and others, 4s. 6d. per doz. (in envelopes), carriage paid. *Cash should accompany orders.*

Chemists' Card

This card, measuring 10 in. by 12½ in., and provided with a cord for hanging up, gives a concise summary of the Regulations under the Dangerous Drugs Act, which came into force on September 1, 1921, and, in addition, a table showing the percentage of cocaine, diamorphine, and morphine in various official and unofficial pharmaceutical preparations. A method is also given for finding out whether prescriptions containing "dangerous" drugs or their preparations require to be treated with the formalities laid down in the Regulations. It is supplied at the following prices for *cash with order*:

	s.	d.
Per card, post free	1	0
3 cards ,, ...	2	9
12 ,, ,, ...	10	0
25 ,, ,, ...	20	0
100 ,, carriage paid	60	0

Prescribers' Card

The purpose of the Prescribers' Card is to supply medical men, and also dentists, veterinary surgeons, and others with information in a concise form regarding the Dangerous Drugs Act Regulations, so that they will know exactly what formalities are needed when prescribing "dangerous" drugs. The card is suitable for sending to local practitioners, and we should be glad if chemists would undertake this. The "Notes for Prescribers" show the limits of cocaine, diamorphine, morphine, and opium that can be ordered without bringing the prescription within the Dangerous Drugs Act. The cards measure 7 in. by 3½ in., and are printed on both sides. Each card is placed in a specially made envelope, so that with the name and address of the practitioner it can be delivered by hand or sent by post at "Printed Matter" rate. The cards will be supplied at the following prices (including envelopes), post free for *cash with order*:

	s.	d.
One dozen cards (minimum quantity) ...	1	6
Three dozen	4	0
Twelve dozen and over ... (per dozen)	1	3

UNEMPLOYMENT AND THE EDUCATION ACT.—Mr. Frank Briant, M.P., in the course of a recent statement to a member of the Press on the effect of the continuation school on boy labour, said he hoped that there would be a drastic amendment of the Education Act so as to enforce, say, a six months' continuous period of education instead of the present sporadic and not particularly useful instruction. The problem of the unemployment of the boy who had reached the age of fourteen had been complicated by the Education Act. The demand for boy labour, usually so great, was very small at the present time, and the employer was generally able to fill all vacancies without being worried with the boy who has to be away two half-days a week.

Insurance Act Dispensing

A Record of matters concerning Chemists' interests in the National Health Insurance Acts

Reports from Local Centres

ENGLAND

Blackburn.—On October 11 the panel chemists, in conjunction with the doctors and members of the Insurance Committee, presented handsome wedding gifts to Mr. H. Whittaker, clerk to the Insurance Committee. The gathering also marked an interesting stage in Insurance work, for under the new reorganisation scheme the membership of the Committee is being reduced from forty to twenty-five. Alderman H. Watson, J.P., chairman, presided, and was supported by members who had served from the introduction of the Act in 1912. These included Mr. R. L. Gifford, J.P. In his review of the work, Alderman Watson said since the inauguration of medical benefits the Committee had paid a sum of £44,630 13s. 2d. to the chemists on the panel for drugs and appliances.

East Sussex.—At a meeting of the Insurance Committee, on October 4, the Panel Committee, in reference to their investigation of the prescriptions issued by a practitioner on the panel, stated that the cost of drugs and appliances was not in excess of what was reasonably necessary. The Committee also reported that they considered that the payment to doctors for the supply of drugs should be at least equal to that made to chemists as determined by the Pricing Bureau. It was resolved that the attention of the Panel Committee be drawn to the fact that practitioners are already in a position to claim payment on the same basis as that made to chemists if they desire to do so.

London.—A meeting of the Pharmaceutical Committee took place on October 12, Mr. J Humphrey (chairman) presiding. The Committee had before them particulars of an investigation made regarding the efficiency of the dispensing service in an industrial area of London, which they considered was not satisfactory, and instructed the secretary to send the facts to the Insurance Committee. The report of the Central Checking Bureau for July 1921 showed a margin of error of 0.04 per cent. The secretary reported, *inter alia*, that alleged delay in supplying medicines in the South-Eastern area was not substantiated; that five chemists had joined the panel list; that an adequate dispensing service was now assured in a South-Western district; the results of a meeting of the Standing Committee on the dispensing service; on a case of irregular prescribing. Particulars of prescriptions for July were :

Total cost ...	£13,915 8s. 11d.	Av. ingredient cost ...	3·57d.
Total number ...	367,662	Av. dispensing-fee ...	5·53d.

It was reported that four cases of complaint against chemists refusing to dispense were dealt with. The official report will be considered by the Insurance Committee at the next meeting.

Middlesex.—At a meeting of the Pharmaceutical Committee held recently, Mr. C. E. A. Goode was welcomed as a member of the committee. It was reported that all the Middlesex chemists who had replied to the inquiry respecting the term of office of the Committee were in favour of a two years' period. Messrs. Clement and Wolff were nominated to represent pharmacists on the Insurance Committee. The report of the Checking Department included the following statistics for the first two quarters of the year and from January to July :

	Scripts	Aver.	Prescpt.	Aver.	Ingred.	Fee
Jan. to March...	260,976	11·72d.	316,009	9·67d.	4·73d.	4.94d.
April to June...	205,337	12·11d.	251,157	9·94d.	4·39d.	5.55d.
Seven months	529,012	11·91d.	644,197	9·77d.	4·52d.	5·52d.

From January to July inclusive the cost of drugs was £12,144 0s. 5d., and the dispensing-fees £14,099 19s. 5d.

Norwich.—At a meeting of the Insurance Committee for the County of Norfolk held on October 8 appreciative reference was made to the pharmaceutical service since the inception of the Act. The number of chemists on the panel is 72. Since the last meeting of the Committee chemists' accounts amounting to £19,293 11s. 3d. have been passed for payment.

Staffordshire.—At a recent meeting of the Insurance Committee a draft circular-letter was submitted for consideration of the Committee to be addressed to Insurance practitioners. This stated that some practitioners were reluctant to order certain drugs owing to the danger of excessive prescribing and the consequent surcharging. The letter pointed out that such charges are entirely disposed of when the practitioner justifies his prescribing to the Panel Committee.

Worcester.—A meeting of the County Pharmaceutical Committee was held on October 5. The officers and sub-committees appointed were as follows : *Chairman*, Mr. A. W. Gedge; *Vice-Chairman*, Mr. W. Corbett; *Secretary*, Mr. Donald G. Pout; *Pharmaceutical Services Sub-Committee*, Messrs. Corbett, Gedge, and Harris; *Joint Services Sub-Committee*, Messrs. W. Corbett and A. W. Gedge; *Dispensing Sub-Committee*, Messrs. D. G. Pout and J. J. Meakins. A vote of thanks was accorded to Mr. Corbett for the way in which he had carried out the duties of chairman during the past seven years. A vote of thanks was also accorded to Mr. Pout for his services as secretary. The following pharmacists were co-opted members of the Committee : Mr. W. C. Roberts (Stourport) and Mr. A. E. Baylis (Great Malvern). It was agreed to oppose the new Formulary issued by the Joint Medical Committee and to appoint Mr. Harris as a pharmaceutical member of the Insurance Committee.

SCOTLAND

Ayr.—At a meeting of the Burgh Insurance Committee on October 6, Sir James Leishman reviewed the position of the Insurance Committees, which, he said, had had a somewhat long tenure of office owing to the war, and were now undergoing re-election. There are fifty-four committees in Scotland, and their average cost was rather less than £1,000 each per annum for administration. The smallest committees would run to barely £300, and the largest committees to much more than £1,000. It was not yet determined what the particular amount of reduction of payment to doctors would be. His opinion was that the doctors should recognise the compelling circumstances of the time and accept decreased remuneration, which, if it was compensated for by lower prices, was not a decrease. After praising the work of Insurance practitioners generally, he discussed various methods of payment for medical attendance. With regard to the provision of drugs and medicines, he said the official policy is that an insured person is entitled to an adequate supply of such drugs and medicines as were helpful to him. The Insurance Committee and the Board of Health wished to avert extravagance and carelessness, and they desired to secure the expenditure of the money so that it would go further in the proper provision of medicaments.

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1921, p. 300.

(*From "The Trade-marks Journal," October 5, 1921.*)

"MOULDENSITE" and "CLAROWAX"; for chemicals (1). By J. & P. Hill, Bernard Road, Park, Sheffield. 417,170/171.

"SANSAP"; for sanitary chemicals (2). By W. H. Hosking, 2 Church Street, Cheltenham. 406,497. (Associated.)

"COFFICYL"; for all goods (3). By J. A. Wulfing, 231 Friedrichstrasse, Berlin. 383,424.

"SAN-TOX," with picture of nurse on label device; for medicinal chemicals (3). By the De Press Co., 133 Washington Street, Chicago, Ill., U.S.A. 410,150. (Associated.)

"THREX"; for cough-mixture (3). By E. H. Pym, 6 Evansfield Road, Llandaff North, Glamorgan. B 411,536.

"AMICAL"; for medicinal chemicals (3). By Farbenfabriken vorm. F. Bayer & Co., Leverkusen, Germany. 417,366.

"CUTEX"; for medicines (3). By H. Thayer & Co., Inc., 80 Erie Street, Cambridge, Mass., U.S.A. 417,513.

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Pharmaceutical Society
of Great Britain
Qualifying Examination Results
London

THE names of those who passed at the recent Qualifying examination of the Pharmaceutical Society held in London were not available when we last went to press. A tabulated statement given in our issue of last week (p. 59) shows that, of 637 entrants, 258 passed the whole examination, 206 passed Part I., 155 were referred in various subjects, and 28 were absent. The names of the successful candidates are as follows :

PART I

The following have satisfied the examiners :

Altenhein, J. E. C. Southampton
Bennett, F. A., Walton-on-Thames
Benson, A. F., Exeter
Berry, P., Cheltenham
Bourne, Cyril, Hull
Bransby, A., Wilmslow
Bright, H. D., Bristol
Brownlow, J. E., Melton Mowbray
Burnett, G. S., Barnsley
Capern, H., Tiverton
Carnell, H., Nottingham
Church, F. A., London
Clark, Albert, Keighley
Clarke, L., Pendlebury
Clayton, J., Manchester
Clifton, W. L., Boston
Coates, J. W., Willington
Cooke, W. A., Sheffield
Courtenay, E. F., London
Crane, Ernest, Carlisle
Crossley, C. L., Bromley
Denston, T. C., Derby
Edmonds, H. D., Wroxham
Edwards, A. G., Wing
Edwards, F. E., Midsomer Norton
Elliott, B. C., London
Emmett, H., Hanley
Evans, J. A., Gloucester
Field, G., Handsworth
Fisher, D. K., Colville
Fletcher, E. C., Ilkeston
Floyd, L. H., Bury St. Edmunds
Foulkes, E. T., Whitchurch
Girvan, John, Liverpool
Goldberg, O. N., Johannesburg
Gunter, W. C. L., Birmingham
Guy, F. J., Brighton
Haselgrove, L., Levenshulme
Hayward, F. W. J., Hollington
Hedley, L. M., Middlesbrough
Hicks, A. F., Weston-super-Mare
Hodgkinson, A. E., Devonport
Hodgkinson, K. M., Westhoughton
Houseman, R. S. H., Squirrells Heath
Hughes, G. H., Conway
Hulme, G. H., St. Leonards-on-Sea
Hurst, W., Llandrindod Wells
Huson, Jack, Bow
Jackson, H. S., Walkden
Jackson, T. A., Shildon
James, S. T., Twickenham
James, Thomas, Brixton
Jenkins, E. T., Ulverston
Jones, E., Aberystwyth
Jones, H. W., Neath
Jones, J. B., St. Clears
Kelly, Mary E., Ramsey
Kelynack, T. E., Hayle
Key, G. C., Cambridge
King, C. C., Gillingham
Knowles, A. W., Blackburn
Lee, F. A., Thornton Heath
Leonard, Daisy, Frome
Lewis, Agnes M., Handsworth
Lloyd, A. I., Taunton
Lloyd, W., Litherland
Mackay, Angus, Hendon
McDermot, Isobel, Liverpool
McDonnell, T. M., Scapa Flow
Mann, C., Easthorpe
Margetts, R. R., Wells
Mason, J. F., Finchley
Maycock, W. R. P., Kettering
Morgan, W. H., Wem
Naylor, L., Bamber Bridge
Nightingale, J., Darwen
Nockolds, Phyllis C., Cambridge
Oakley, A. H., Kingston-on-Thames
Oates, R., Knaresborough
Parkin, R. N., Chester-le-Moors
Peek, W. C., Haywards Heath
Pegg, W. O., London
Perry, A. V., Bath
Pilkington, Edith W., Buxton
Powell, L. D., Woking
Ralph, Hilda, Brighton
Randall, W. J., Leamington Spa
Reeve, G. L., Norwich
Ridsdale, R. T., Blackburn
Roberts, H., Blackpool
Roberts, Helen, Llandudno
Roberts, H. A., Ruthin
Robertson, J., Heckmondwike
Rodway, Helen E., Westminster
Rowlett, R., Leicester
Sedgley, R., Scorrier
Shaw, F. L., Kimberley
Shaw, Percy, Birkenhead
Shelley, P. B., Kelvedon
Shepherd, H. S., Ludlow
Smith, C. H., Dudley
Smith, L. J., Notting Hill
Solomon, J. L., Clapham
Solomon, J. C., Clapham
Sparks, H. S., Swindon
Spruce, H., Manchester
Stephens, Horace, Wigan
Stewart, J. A., Belfast
Stubbs, W. C., Middlesbrough
Sunderland, Robert, Colne
Targett, R. A., Dartford
Thompson, Adelaide E. V., Marylebone
Thorpe, A. E., Manchester
Tiley, W. D., Bristol
Tucker, F. L. J., Pembroke Dock
Twiss, Phyllis, Warrington
Umney, J. H., London
Uttley, Emmie P., Rotherham
Vigor, W. M., Leighton Buzzard
Vowles, E., London
Waddington, Edith M., Boroughbridge
Watson, D. F., Treorchy
Watson, Dorothy M., Elm
Whitehouse, F. C., Handsworth
Williams, H. D., Corwen
Williams, H. A., Oswestry
Williams, W. L., Bristol
Wilson, W. T., St. Albans
Wimbush, J. B., Brighton
Woodcock, G. T., Yarmouth
Wright, George, Leeds
Wyatt, W. H., Torquay

PART II

The following, having satisfied the examiners in Part II., have been registered as chemists and druggists :

Addey, L. F., Barnsley
Ainsworth, A., Warrington
Andrews, A. B., Aberaman
Andrews, M. S., St. Leonards
Archer, W. H., Keighley
Armitage, James, Putney
Askew, Benjamin, Bingley
Atkinson, R., Workington
Balf, G. L., Moston
Barcock, W. G., Bedford
Barker, Edgar, Levenshulme
Becker, M. N., Ealing
Bennett, J. V. P., Blackpool
Bennett, T. L., Blackpool
Bond, J. G., Liverpool
Bower, C. E., Cinderford
Boynton, Fred, York
Bradshaw, S. B., Watford
Bray, D'Arcy A., Chiswick
Breeze, A. F., Birmingham
Brooke, D. R., Chippenham
Brown, Henry, Seedley
Burbank, C. A., Oxford
Burns, N. H., Denaby Main
Burton, H. F. J., St. Leonards
Cater, R. H., New Malden
Chapman, C. A., Amiens
Cheeseman, W., Netherfield
Cheesman, W. A., Portsmouth
Cheetham, E. G., Louth
Clatworthy, Doris E., Clapham
Clayton, E. H., Whitehaven
Clemow, S. G., Lee
Coles, Alice M., Preston Park
Cooke, F. C. J., Balham
Costiff, L. H., Leighton Buzzard
Cottis, P. E., Bury St. Edmunds
Cromack, A., Kensington
Cross, C. W., Lincoln
Crowther, R. T., Stockport
Cumber, H. B., Guernsey
Davey, C. A., Shoreham
Davis, W. O. N., Cardiff
Douglas, F., Workington
Ebborn, R. A., Stevenage
Edgecombe, H. R., Derby
Evans, L. J., Aberystwyth
Evans, R. H., Cemmaes
Evenson, C. P., Bangor
Farmer, Kathleen C., Finsbury Park
Faulkner, P. W., Smethwick
Fawthrop, R. W., London
Fielding, N., Glossop
Fildes, G., Chequerbent
Fox, A. E., Newport, Mon.
Fryar, S., Warrington
Fulleylove, H. C., Glascote
Gaffin, H. M., Manchester
Gallimore, R., Fenton
Garner, W. B., London
George, Ernest, Burslem
Gibbs, Helen V., Upton-on-Severn
Glendinning, J. J., Sparkhill
Gray, Albert, Oldham
Griffith, O. J., Holyhead
Griffiths, H. J., Sheffield
Grimshaw, J. N., Rushton
Gurney, A., Dartford
Halsall, J. W., Liverpool
Hamnett, T. H., Blackheath
Hampson, D. C., Leigh
Hands, C. H., Shrewsbury
Harper, Muriel J., Handsworth
Harrison, F., Sunderland
Harry, R. H., Neath
Hayman, V. F., Sidmouth

Heseltine, T., Loftus
Hinton, J. J. C., Halifax
Horlington, P. G., Sunderland
Horsfall, A. L., Hebden Bridge
Hotter, J., Billingborough
Howitt, C. F., Leicester
Hughes, H. E., Llandudno
Hurdman, F. W., Wolverhampton
James, A., Bishopston
Jenkins, Gwladys M., Pontardawe
John, D. T., New Tredegar
Johnson, F., Netherfield
Johnson, N. W., King's Lynn
Jones, L., Erdington
Karnofsky, J., Johannesburg
Keen, R. J., Ilfracombe
Kesterton, Violet G., St. Helens
Kidd, W., Sandsend
Kingston, E. T., Bath
Knight, G. W. V., Bath
Labraham, P. W., Rugby
Lacey, Ada C., Highgate
Lee, G. M., Whitchurch
Lemon, R. A., West Acton
Lever, H. N., Bolton
Levy, V. W., Linthorpe
Lillis, J. P., Preston
Little, Ethel M., Treforest
Lloyd, B. R., Cardiff
Lomax, W. J., Mottram-in-Longdendale
McNeal, J. F., Balham
Marley, J. O., Minehead
Marson, S., Coventry
Minett, Winifred M., Taunton
Mitchell, D. S., Luton
Mockford, G. M., Brighton
Moore, T. W., Forest Gate
Morgans, D. T., Towyn
Mowson, C. B. D., Stourport
Munday, W. F., Chesterfield
Nettleton, T. A., Liverpool
Nicholls, B. J. V., Bristol
North, W. B., Ottery St. Mary
O'Dell, J. B., Hailsham
Oswell, Margaret M., Burton-on-Trent
Owen, S. M., Chester
Packwood, J., Edmonton
Parkinson, F. R., Foston
Pass, W., Macclesfield
Peters, F. B., Nantwich
Phillips, Doris C., Bath
Phillips, E., Penycae
Potts, J. H. P., West Hartlepool
Powell, Eric, Alsager
Powell, F. A., Alsager
Preston, A. H., Four Oaks
Pritchett, G. A., Birmingham
Pugh, Irene G., Swadlincote
Quick, D. E., Salisbury
Relfe, W. E., Hollington
Reynolds, Irene M., Bognor
Reynolds, J. M., Sheffield
Roberts, E., Glen Aber
Rolfe, Dorothy J., Halifax
Rowe, C. E., Liverpool
Rudkin, A., Sheffield
Rye, Frank, Swindon
Scott, E., Streatham
Seckings, J. W., West Bridgford
Selkirk, C. W., Nottingham
Shaw, F. L., Atherton
Sheard, H. V., Farsley
Slater, J. A., Rishton
Smith, Doris A., Silloth
Smith, F. R., Colchester
Smith, L., Leicester
Spencer, H., Accrington
Stapleton, E., Bulwell
Stone, E. W. B., Silloth
Stone, V. J., Leicester
Strawson, F. G., Ludlow
Stuart, P. W., Manchester
Swanwick, G. J., Hitchin
Tallett, E. R., St. Albans
Taylor, S. P., Fishponds
Thomas, C. G., Tonypandy
Thompson, Katharine G., Mile End
Tomlinson, J. H., Nottingham
Toomey, G. V., Gloucester
Tripp, W. C., Clevedon
Tudor, H. G., Bristol
Tunnicliffe, A. W., Rugeley
Vyse, F. H., Walsall
Wainwright, S., Barnsley
Walkden, Charles, Hyde
Walker, D. N., Salford
Ward, Cecil, Burnley
Watson, F. J., Lincoln
Weston, A. E., Runcorn
Whitworth, A., Grimsby
Williams, G. E. W., Mold
Williams, J. D., Acocks Green
Wilson, D. S., Cranfield
Wood, A. W. E., Littlehampton
Woods, Joseph, Everton
Wright, C. H., Rhyl
Wright, S. P., Wigan

PARTS I AND II

The following, having satisfied the examiners in Parts I. and II., have been registered as chemists and druggists :

Allsopp, A. J., Bournemouth.
Anderson, Adam, Leith
Baker, A. T., Weymouth
Barnes, W. H. E., Peterborough
Barton, Alfred, Walsall
Bell, W. C. M., Stoke-on-Trent
Bennison, S., Hartshill
Blankley, G. W., Arnold
Bouttell, W. V., Pietermaritzburg
Bricknell, J., Eastwood
Burns, C. I., Norwich
Carter, C. C., St. Neots
Cornfoot, F. G., Birmingham
Cox, W. O., Scarborough
Cutting, Dorothy K., Chichester
Duckworth, A., Baxenden
Edmunds, W. H., London
Evans, W. J., Swansea
Fookes, H. T., Walthamstow
Ford, R. T., Temple Cloud
Gafan, Solomon, Bolton
George, L. V., Oxford
Goodwin, G. H., Derby
Hands, S. J., Totley Brook
Harris, B. G., Milton
Hawkeswood, S. C., Quarry Bank
Hester, S. W., Manchester
Hewson, Alice R., Caistor
Holman, H. R., London
Hurwitz, H., Clapham
Ingram, H. F., Southsea
Iredale, G., Whitley Bay
Jones, A. G., Aberayron
Jones, R. H., Amlwch
King, Alexandra S., Ilford
Leake, A., Cricklewood
Little, W., Upper Norwood
Lord, Gwendoline M., Ealing
Marshall, O. H., South Norwood
Mason, C. F. E., Birmingham
Miller, O. T., Falkenham
Moreton, H., Nuneaton
Nicholson, H., Stockton-on-Tees
Norrish, R. E., Clapham
Orange, H. G., Aldershot
Orrell, Harold, Bolton
Pepper, H., Netherfield
Phillips, G. H., Barnstaple
Pointing, R. H., Weston
Preston, A. J., Peckham
Reynolds, F. J., London
Robertson, Winifred M., Redbridge
Rowland, L., Wrexham
Royston, C. W., Sheffield
Sachs, L., Clapham
Savage, P. H. W., Newton
Seaton, Walter, Rugby
Shackleton, Aubrey V., Hounslow
Shaw, Seth, Delph
Shearls, Grisha, Clapton
Sims, A., Melton Mowbray
Smith, J. C., Plymouth
Smith, T. R., Mansfield
Stackhouse, F. A., Burnley
Standring, J., Manchester
Tims, H. D., Leigh-on-Sea
Tomlinson, C. G., Hollinwood
Wade, H. A., Chiswick
Watkins, Muriel J., Ipswich
Webb, F. E., Redditch
Webley, C. E., Woodstock
Wilkinson, W. V., E. Bridgford
Wood, I. C. S., W. Ealing
Wycherley, G., Ossett

Edinburgh

—	No.	PART I.		PART II.	
		Absent	Passed	Absent	Passed
Entered for whole Examination ...	41	1	23	6	5
Entered for Part II. and referred subject in Part I. ...	41	—	28	1	12
Entered for Part I. only	5	—	5	—	—
Referred subject in Part I. only ...	2	—	2	—	—
Entered for Part II. only	36	—	—	—	17
Referred subject in Part II.	71	—	—	—	59
	196	1	58	7	93

Referred in one subject: Botany, 6; Chemistry, 7; Materia Medica, 10; Pharmacy, 40. Total, 63.

PART I

The following have satisfied the examiners :

Baillie, F., Glasgow
Barnett, C. W., Bury
Bayne, C., Kirkcaldy
Beiles, M., Edinburgh
Bell, W. W. B., Broughty Ferry
Blackledge, A., Chorley
Bonnar, W. N., Rutherglen
Boyd, J. B. C., Leith
Bray, J. B., Birmingham
Brooke, Olive, York
Byrne, P. J., Leeds
Cargill, G., Newport-on-Tay
Collyer, A. G., Edinburgh
Donald, J. M., Grangemouth
Duncan, Dorothy R., Edinburgh
Edwards, C. H. C., Leeds
Ellison, F., Stockton-on-Tees
Fletcher, R., Crewe

Garraway, Eleanor A. W., Sunderland
Gerrie, W. H., Aberdeen
Gills, A., Sunderland
Hodgson, H., York
Hooley, R., Macclesfield
Hurst, W. S., Leeds
Inger, Nora, Stockport
Jamieson, W., Glasgow
Johnson, G., Newcastle-on-Tyne
Lamb, G. T., Kelso
Lang, D. A., West Stockport
Leedale, R. W., Bishop Auckland
McCourt, G., Paisley
Macdonald, Williamina M., Aberdeen
Marsden, Ann H. C., Aberdeen
Marsden, J. E., Preston
Mason, T., Edinburgh
Mitchell, Bessie D., Edinburgh
Molyneux, T., Wigan
Myerscough, H., Preston
Paton, Grace B., Methil
Pilling, T., Burnley
Ramsden, A. G., Huddersfield
Reid, T. K., Fraserburgh
Ridyard, P. W., Bury
Robertson, T. D., Berwick
Salmon, Madge, Edinburgh
Shearer, S., Glasgow
Siddall, N., Stockport
Simpson, W. L., Leigh
Slattery, J., Bury
Summersgill, T. C., Dewsbury
Tinwell, G. E. G., Sunderland
Williams, B., Manchester

PART II

The following, having satisfied the examiners in Part II., have been registered as chemists and druggists :

Angus, Maggie C., Keith
Apedaile, Leo B., Edinburgh
Barclay, J., Glasgow
Bell, Elizabeth R., Lochmaben
Bird, Sarah A. F., Scarborough
Booth, G. E., Halifax
Booth, W. H., Rochdale
Bousfield, C., Heckmondwike
Bowie, G. L., Keith
Cairnie, Mary G., Thurso
Campbell, A. D., Blairgowrie
Chaloner, F., Preston
Charleston, A. T., Wrexham
Clayton, H. P., Huddersfield
Cole, M. J. H., Newcastle-on-Tyne
Cooper, M. H., Johannesburg
Coulthart, Thomas, Annan
Coutts, J. J., Aberdeen
Crichton, R. H., Banchory
Crosbie, R. J. H., Thornhill
Cunningham, W., Cupar
Dale, Alfred, Stockport
Dunne, R. J., Bolton
Ferguson, J. H., Dundee
Forsyth, C. M., Aberdeen
Fraser, J. W., Glencarse
Gordon, G. T., Macduff
Hall, Harry N., Colne
Hanson, R. H., Westmorland
Harrison, H., Shipley
Herbert, J. C., Edinburgh
Hodgson, W. E., Northallerton
Hughson, H., Aberdeen
Johnstone, Margaret, Darlington
Kemp, C., Dalkeith
Key, W. J. M., Kirkcaldy
Kilpatrick, A. C., Larkhall
Kirkup, Sarah, Birtley
Knox, E. W., Leeds
Latham, T., Burnley
McGeorge, H., Carlisle
MacKenzie, H. M., Inverness
Mackie, W. N., Kirkintilloch
McLafferty, Catherine, Clydebank
Mann, Isabella F., Gullane
Marshall, A., Selkirk
Mulville, E. A., Liverpool
Nicholl, D. A., St. Andrews
Nicholson, W. M., Bathgate
Pickles, F. H., Bradford
Pickles, G. H., Bradford
Pirie, G., Glasgow
Prentice, W. P., Jedburgh
Rennie, Margaret P., Wishaw
Rogers, T. A., Keswick
Ronder, Deborah, Edinburgh
Rothnie, J. A., Crieff
Scott, A., Callander
Scott, I. E., Saltcoats
Shaw, J., Middlesbrough
Sheppard, R. C., Bradford
Sim, W. D., Fraserburgh
Simpson, W. F., Fraserburgh
Slaven, J., Glasgow
Small, Nellie G., Brechin
Stewart, W. J., Stockton-on-Tees
Strachan, A. W., Edinburgh
Thomson, J., Ayr
Tomlinson, E., Bradford
Turner, E. M. Edinburgh
Walker, A., Braystones
Walker, S. R., Newton Stewart
Wallace, J. D., Aberdeen
Walley, W., Manchester
Westwater, T. D., Glasgow
Wilson, Marie J., Newcastle-on-Tyne

PARTS I AND II

The following, having satisfied the examiners in Parts I. and II., have been registered as chemists and druggists :

Balls, Grace M., Bonhill
Barker, T. P., Todmorden
Brand, A. G. F., Edinburgh
Horne, J., Aberdeen
Hunter, W., Chorley
McAinsh, D. D., Grangemouth
McInroy, J. F., Liverpool
McIntosh, F. M., Aberdeen
McIntosh, J., Cornhill
Maitland, C., Heswall
Moorhouse, H., Dewsbury
Owen, R., Pen-y-groes
Peterkin, W. E. H., Leeds
Pollock, R. M. S., Kirkintilloch
Savage, Elizabeth K., Glasgow
Smith, J. B., Stockport
Zanick, M., Dundee

School Sessions

Portsmouth Municipal College

WHEN the Portsmouth Municipal College was opened on October 5 the President of the local Pharmacists' Association (Mr. A. B. Sparrow) and several members responded to an invitation to attend. Mr. J. W. Watson presided, and was supported by Mr. Oliver Freeman, Principal of the College, and Mr. Hemming. Mr. T. O. Barlow was asked to address the students, a service for which he is well qualified, being a member of the Board of Examiners of the Pharmaceutical Society of Great Britain. Mr. Barlow gave an instructive address, punctuating his remarks with sound advice. He recommended his audience to decide first of all what each one wanted to do. Aim high, he said, and determination to succeed is the means of putting difficulties to flight. He told an amusing story of a pharmaceutical subscriber to an American paper, who wrote the editor saying what a disappointing journal his was. Any fool knew that hard work, early rising, and similar virtues (as the journal pointed out from time to time) are essential for success, but how to succeed without all the trouble was what the writer wanted to know. The students before him, however, were in the happy position of having the path to success made easy for them. It was their duty, he said, to take full advantage of the opportunity, and so form habits and character that would serve them well in the real problems of life. The accumulated knowledge of previous workers was offered to them now in acceptable form. He used a simile to illustrate how knowledge made ordinary matters of absorbing interest. Cinchona-bark, he said, to the ordinary man is simply a bark, but to a pharmacist it contains a romance of achievement. Sound and capable men are an urgent need, and these are evolved from the painstaking student who has proved his worth step by step. Mr. Barlow sounded a note of warning in regard to too close attention to study without the relaxation that comes from periodical recreation. The grindstone theory, he said, is wrong. A man with his nose on the grindstone misses 95 per cent. of what is going on. The desirable conditions of the mind arise from interest in one's work, and the greatest happiness attainable is the knowledge of duty well done. He concluded his address with illustrations of the importance of understanding questions and in practical work of getting a grasp of the plan of the surroundings. And, finally, when the examination is negotiated, the successful candidate should recognise that he is only in an advantageous position to begin to learn. Votes of thanks and tea concluded an enjoyable evening.

Liverpool School of Pharmacy

The students of the Liverpool School of Pharmacy assembled at the Royal Institution, Colquitt Street, on October 11, when the inaugural address of the autumn session was delivered by Dr. Charles Symes, who was received with befitting enthusiasm by the large audience. Mr. W. H. Clubb, Ph.C. (President of the Liverpool Chemists' Association), who presided, said Dr. Symes was the oldest living member of the Liverpool Chemists' Association, and had been long recognised as

one of the foremost men in pharmacy in the country. Having, in passing, recalled the address by the late Mr. J. W. Deakin, a year ago, the chairman said the Liverpool School of Pharmacy was one of the most important of such schools in this country, one of the largest and best equipped. In Mr. Humphreys Jones they felt they had a competent and efficient principal of a school fully equipped with regard to teaching staff and apparatus. Mr. Humphreys Jones gave a brief report of the school, and said that during the year it had added seventy-six qualified pharmacists to the profession. Dr. Symes remarked that the Liverpool School of Pharmacy had a continuous history of seventy-three years. He could not hold out to students of pharmacy the prospect of an Elysium in which they could live happily at the expense of little effort. Everyone had to live his life by developing his faculties and learning the privilege of service. He related the story of his introduction to pharmacy, and said he had remained a student all his long life. Speaking of the education of the pharmacist, he reviewed his efforts to divide the examination, and said he could not be satisfied with any examination which at least 75 per cent. of properly equipped students could not pass. He wanted an examination based not only on the test by the examiner, but one in which the certificate of attendance, assiduity, and the measure of proficiency ascertained by the teacher would count. He hoped for further reform in that direction. He congratulated the students on having joined the Liverpool School of Pharmacy. He commended, as a rule, early morning study, and discounted the burning of the midnight oil. To the pharmacist in business he would say : "Value your time; do not be content with a moderate profit only on the articles dispensed, but charge reasonably for the time spent in dispensing. "The National Insurance Act, little as he liked it, had the merit of constituting, however inadequately, the first public recognition of the value of the time of the dispensing chemist and the cost of his training. He urged the young pharmacists to enter on their career with the resolution to leave enduring "footprints on the sands of time." Mr. L. Moreton Parry proposed a vote of thanks to Dr. Symes, which Mr. D. H. Evans (ex-President of the Liverpool Chemists' Association) seconded. Speaking from thirty years' experience, he added that the prospects of pharmacists were now better than ever. Mr. Humphreys Jones afterwards entertained Dr. Symes and other speakers, together with a few friends.

The New British Tariff

Chemical Merchants' Protest

The following is a copy of a resolution passed at a meeting of the General Committee of the British Chemical Trade Association held on October 7, and forwarded to the Board of Trade with covering letter :

The Assistant Secretary,
Board of Trade.

Safeguarding of Industries Act, 1921

Sir,—I am directed by my General Committee to respectfully submit for the consideration of your Department the attached resolution, passed at their meeting to-day. After giving careful consideration to the list of products scheduled, my Committee feel that they would be failing in their duty, not only to the interest of British chemical merchants (whom they represent), but also to the general industry of the country, by neglecting to lodge a protest against the list in its present form. In the event of my Committee's suggestion, as stated in the resolution, being adopted, I am instructed to state that they will be glad to nominate, without delay, a suitable body of representatives of the chemical merchant trade, including at least one recognised technical expert. In the event of my Committee's suggestion not being adopted, I am instructed to request that your Department will consent to receive a deputation from this Association at as early a date as may be convenient, for the purpose of placing before you the considered views of the trade on this matter. I am to advise you that publicity is being given to this matter, as my Committee consider it a matter of national importance. As the Act is now in force, an early reply will be appreciated by my Committee. I am, Sir,

Your obedient Servant,
(Signed) O. F. C. Bromfield, Secretary.

Copy of Resolution

Resolved, that having reviewed the list of chemical products scheduled under the "key" section of the Safeguarding of Industries Act, 1921, the General Committee of the British Chemical Trade Association desire to place on record their objection to the inclusion of a large number of products which are not being made in the United Kingdom, and also the inclusion of products which have no apparent relation to "key industries." They respectfully submit that the inclusion of such products is contrary to the professed intentions of His Majesty's Government to confine the operation of the Bill strictly to "key industries," and makes the Act in effect, not a "key industry" Act, but, to a large extent, a tariff Act. It is further submitted that the inclusion of products which are not being made here and which have no relation to "key industries" must necessarily have the result of increasing prices to the consumer and manufacturing costs to the British manufacturer employing such products as raw materials, and with consequent further impediment to the export trade of this country in manufactured goods. The Committee therefore respectfully suggests that the Board of Trade should immediately appoint a Committee for the purpose of revision of the list, and that such Committee should be composed of equal numbers of Government officials, chemical manufacturers, chemical merchants, and chemical consumers.

Another City Protest

An emergency meeting of the Fancy Goods Section of the London Chamber of Commerce was held on October 10. Mr. Thos. R. Brooke (the British Xylonite Co., Ltd.) presided, and the following resolution, proposed by Mr. H. H. Davis (Faudels, Ltd.), was unanimously adopted :

That this largely attended meeting of traders engaged in the fancy-goods trade, having considered the experience resulting from the first week's working of the Safeguarding of Industries Act, 1921, views with growing concern the very serious dislocation of business created by the Act, particularly on account of the extraordinarily wide interpretations which are being placed by the authorities on certain items referred to in the Key Industries Schedule; and this meeting pledges itself to support in every possible way the Vigilance Committee set up by the Fancy Goods Section of the London Chamber of Commerce in its efforts to safeguard the trade and commerce of the country.

A resolution was also passed calling on the Government to bring in an amending Act suspending the operations of the Safeguarding of Industries Act in so far as it concerns commodities not produced in this country. Mr. James D. Kiley, M.P., said that the Board of Trade had instructed the Customs to stop all kinds of goods which had never been contemplated as falling under the Key Industries Schedule when the Bill left Parliament. During the first week's working of the Act even such goods as little glass Christmas-tree ornaments had been stopped as coming under the heading of "lampblown ware." The result was the stoppage of goods at the ports, which was going to bring chaos to the trade of the country. In spite of the undertaking given by the Government in the House of Commons that toys were not included under the Key Industries Schedule, the Board of Trade had now instructed that toy magic lanterns, toy telescopes, toy cameras, dolls' eyes, and so on were all to be stopped by the Customs.

Finnish Perfumery Trade.—Considerable orders for perfumery are reported to have been booked at the recent Fair on the basis of the then existing prices for spirit, and although the price of the latter has been increased by the State by 30 per cent. the firms have to execute the orders at the prices. The bottles of perfumery placed on the market by the State are now provided with labels indicating their origin and the danger of the contents being used for internal consumption.

Imports of Pharmaceutical and Synthetic Chemicals

July 1—September 30, 1921

The table given below shows the imports of the leading pharmaceutical and technical chemicals for the third quarter of the year as compiled from official statistics. It will be seen that the period up to the coming in force of the Safeguarding of Industries Act (October 1) is now completed, and from this date a falling-off is looked for. Owing to exigencies of space a large number of items, all under 100*l.* value, are omitted. During the quarter, good-sized quantities of aspirin, amidopyrin, caffeine, hydroquinone, methyl salicylate, phenazone, and sodium salicylate were received from France. Shipments from the United States have largely fallen off.

—	France	Germany	Holland	Belgium	Switzerland	Sweden	U.S.A.
Acetanilide	—	190*l.*	—	—	—	—	—
Acetylsalicylic acid	6,279*l.*	1,416*l.*	—	—	185*l.*	—	16,802*l.* (Tablets)
Adalin	—	169*l.*	—	—	—	—	—
Amidopyrin	2,435*l.*	—	—	—	6,580*l.*	—	—
Arecoline hydrobromide	—	—	—	—	405*l.*	—	—
Atropine	—	—	—	—	112*l.*	—	—
Barbitone	—	79*l.*	5*l.*	—	292*l.*	—	—
Benzaldehyde	—	236*l.*	7*l.*	—	—	—	—
Benzoic acid	—	74*l.*	—	—	—	—	—
Benzyl benzoate	—	91*l.*	96*l.*	—	—	—	—
Beryllium nitrate	—	100*l.*	—	—	—	—	—
Bromide: ammonium	—	511*l.*	—	—	—	—	—
„ potash	—	150*l.*	67cs.	—	—	—	—
„ soda	—	315 pkgs. 2[illegible]0 cwt.	4 cwt.	—	—	—	—
Bromine	—	90*l.*	—	—	—	—	—
Butyl alcohol	—	1,299 cs. —	—	—	—	—	7,920*l.*
Butyric acid	—	—	—	—	—	—	562*l.*
Caffeine	1,661*l.*	488*l.*	1,237*l.*	—	—	—	—
Cerium nitrate	—	37*l.*	83*l.*	—	—	—	—
Chlorophyll	17*l.*	210*l.*	537*l.*	—	—	—	—
Cinchonine hydrochloride	—	—	788*l.*	—	—	—	—
Cocaine hydrochloride	—	—	100*l.*	—	—	—	—
Coumarin	—	1,430*l.*	—	—	40*l.*	—	—
Creosote and salts (carb., etc.)	223*l.*	20*l.*	—	—	275*l.*	961*l.*	—
Eserine salts	—	—	—	—	221*l.*	—	—
Formaldehyde	—	4,528*l.*	88*l.*	—	—	—	1,600*l.*
Formic acid	—	1,547*l.*	586*l.*	—	—	—	—
Gallic acid	—	—	—	—	1,076*l.*	—	—
Geraniol	—	2 cs.	28*l.*	—	289*l.*	—	—
Glycerin	—	—	3,208*l.*	110*l.*	—	50*l.*	—
Guaiacol and salts	62*l.*	—	—	—	—	—	—
Heliotropine	—	575*l.*	283*l*	—	—	—	—
Hexamine	—	564*l.*	132*l.*	—	328*l.*	272*l.*	—
Hydroquinone	1,799*l.*	706*l.*	—	—	15*l.*	—	—
Lithia carbonate	—	—	—	—	—	—	460*l.*
Methyl salicylate	2,451*l.*	—	—	—	—	—	312*l.*
Milk sugar	50 brls.	—	508 pkgs.	—	—	—	30 cs. 195 brls.
Morphine and salts	—	—	—	—	101*l.*	—	—
Musk, artificial	—	—	76*l.*	—	—	—	—
Nicotine and salts	—	—	—	—	—	—	363*l.*
Novocain	—	782*l.*	—	—	—	—	—
Omnopon	—	—	—	—	244*l.*	—	—
Oxalic acid	—	1,952*l.*	2,579*l.*	413*l.*	—	—	—
Perfumery, synthetic	278*l.*	643*l.*	769*l.*	8*l.*	6,589*l.*	—	—
	27cs.	1 cs.	18cs.	—	—	—	—
Pharmaceutical chemicals	120*l.*	88*l.*	—	—	421*l.*	—	—
Phenacetin	—	2,015*l.*	133*l.*	—	3,552*l.*	—	—
Phenazone	3,360*l.*	—	—	—	1,832*l.*	—	—
Phenolphthalein	—	264*l.*	14*l.*	—	1,082*l.*	—	—
Photographic chemicals	218*l.*	1,606*l.*	—	60*l.*	—	—	62*l.*
Piperazine	111*l.*	—	—	—	—	—	—
Potash binoxalate	—	1,399*l.*	250*l.*	—	—	—	—
„ caustic	—	422 pkgs.	7 drms.	53 drms.	—	70cs.	—
„ chlorate	—	21 cks.	20*l.*	—	—	5,329cs.	—
„ cyanide	—	54*l.*	80*l.*	—	—	—	—
„ permanganate	—	42 cs. 936*l.*	—	—	—	—	—
„ sulphoguaiacolate	—	63 pkgs. —	—	—	800*l.*	—	—
Pyrogallic acid	—	—	—	—	—	—	2,512*l.*
Quinine and salts	—	490 oz.	13,644 oz.	—	27,800 oz.	—	—
Resorcin	56*l.*	136*l.*	—	—	—	—	—
Safrol	5 drms.	1 drm.	3 drms.	—	—	—	—
Silver nitrate	—	899*l.* 11,208*l.*	180*l.* 1,255*l.*	—	393*l.*	—	2,500*l.*
„ salvarsan	—	57*l.*	—	—	—	—	—
Soda benzoate	—	—	183*l.*	—	10*l.*	—	—
„ salicylate	283 cwt.	483*l.*	121*l.*	93*l.*	2 cwt. 87*l.*	—	85 cwt.
Sulphonal	—	59 cwt. 307*l.*	19 cwt. 318*l.*	—	40*l.*	—	—
Terpineol	22cs.	3 drms.					
Terpinyl acetate	423*l.*	451*l.*	79*l.*	—	—	—	—
Theobromine	—	33*l.*	64*l.*	—	—	—	—
Thiocol	—	—	756*l.*	—	—	—	—
Thorium nitrate	—	—	—	—	503*l.*	—	—
Vanillin	—	4,730*l.*	6,600*l.*	—	—	—	—
	11 cs. 450*l.*	10 cs.	12cs.	—	28 cs.	—	10 cs.
Veratrine	—	—	—	—	175*l.*	—	99*l.*
Yohimbine	—	—	—	—	20*l.*	—	—

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Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, October 13.

Few signs of improvements are shown in the Mincing Lane produce markets, and until some effective international method of stabilising the exchanges is found there is likely to be no adequate revival in export trade. Another substantial depreciation in the German mark, which on Wednesday was valued at as little as 515 to the pound sterling, is a feature of the week, and leaves traders in a quandary as to what will happen next. As Sir Peter Rylands has said, "trade is impossible upon the basis of a perpetual gamble." Among the few changes is a distinctly firmer feeling in camphor, particularly Chinese crude, which is being absorbed by Continental markets. Senega is firmer, in spite of the improved rate of sterling; ergot is marking time. Matto Grosso ipecacuanha and cubebs are easier. Rhubarb is in fair demand and unaltered; buchu, sarsaparilla, and Curaçao aloes are firmly held. Honey has been selling more freely at firm prices. Menthol is about steady. Anise and fennel seeds are easier; hemp is scarce, and dill dearer. Peppers to arrive are easier. Linseed oil, palm oils, and tallow are lower.

Higher	Firmer	Easier	Lower
Acetanilide Aloes, Curaçao Annatto seed Camphor (Ch. crude) Dill seed Vanillin	Benzonaphthol Calcium lactate Cinnamon-leaf oil (Cey.) Senega Sodium chlorate Wintergreen oil	Albumen, egg Anise Bergamot oil Cedarwood oil Citronella oil (Cey.) Cottonseed oil Cubebs Fennel seed Hydroquinone Ipecacuanha (Matto Grosso) Lemon oil Orange oil Palm-kernel oil Para-formaldehyde Pepper (c.i.f.)	Creosote (B.P.) Linseed oil Glucose Maize-starch powder Molybdic acid Palm oil Pot. sulphoguaiac. Tallow
	Steadier Formaldehyde Methyl sulphonal Oxalic acid		

Cablegram

New York, October 12.—Business is fair. Oregon balsam of fir has advanced to $1.50 per American gallon. Phenacetin is dearer at $1.50, and citric acid is also higher at 44½c. Antipyrine is lower at $2.00 per lb.

Crude Drugs, etc.

Agar-agar is steady at 3s. per lb. for No. 1 Kobe strip and 2s. 9d. for No. 2 on the spot.

Aloes.—Cape continue slow of sale, with small sales including fine firsts at 42s. 6d., good bright hard at 40s., and drossy at 37s. 6d. Good hard Socotrine in skins is held at £10, and a new lot of dark Mocha is limited at £9 per cwt. Pale livery Curaçao is dearer at 90s., good smooth 82s. 6d., and ordinary cakey 65s. per cwt.

Ammoniacum.—Small sales of good pale drop have been made at 3s. 6d. per lb.

Antimony is dull all round, and there is no interest in Chinese crude, which nominally ranges from £16 to £17 per ton c.i.f. The latter figure is wanted for spot lots. English refined is as before at £40 to £42 for small lots, and foreign regulus is at £24 10s. to £25 c.i.f.

Balsams are unchanged, *Peru* offering at 7s. 9d., *Tolu* at 1s. 6d. to 1s. 8d., and *Copaiba* at 1s. 10d. per lb.

Belladonna Root has been selling more freely of late, 0.5 to 0.6 offering at 1s. 6d. per lb. Belladonna-leaves are quiet at from 1s. 3d. to 1s. 6d. per lb.

Camphor (crude).—Chinese is firmer, with spot sales at from 3s. 1½d. to 3s. 2½d. per lb. for finest white.

Camphor (refined).—A considerable quantity of Chinese refined slabs have been sold of late to the Continent at from 3s. 10d. to 3s. 11d. per lb. on the spot. Japanese is neglected at 3s. 11d.

Cantharides.—Russian offer at 9s. 6d. and Chinese at from 4s. 3d. to 4s. 6d. per lb. on the spot.

Chamomiles.—Arrivals from Belgium have been on a slightly better scale, but small in the aggregate and partly consisting of new crop. New are held nominally at 300s., but are not selling; old crop is offered at from 200s. to 210s., according to colour.

Cod-liver Oil has been in fair demand of late at fluctuating prices, finest new non-congealing Norwegian oil offering at from 90s. per barrel c.i.f. U.K. ports, which is somewhat easier.

Cubebs are easier, with sellers of good at £20 and stalky mixed at £19 per cwt.

Ergot is marking time, the nominal spot quotation being 5s. and to arrive 4s. 9d. c.i.f. is quoted.

Glucose is cheaper, guaranteed water-white for October delivery offering at 27s. 6d. per cwt., and November at 27s., duty paid, landed terms.

Hen Yolk continues quiet, with Chinese prime liquid offering at 105s. per cwt. on the spot and 97s. 6d. c.i.f. is quoted for October-November shipment. Dried yolk is 3d. to 3½d., sprayed whole egg 8d., and native dried whole 4½d. per lb. on the spot. Prime hen albumen has been sold at 2s. 11½d. per lb. on the spot, and for October-December shipment sellers quote 2s. 11d. c.i.f.

Honey remains firm, with a fair demand for new crop. Jamaica has been selling at from 42s. 6d. to 52s. 6d. per cwt. for dull to pale setting. Haytian is quiet at from 47s. 6d. down to 37s. 6d. for dark set. Australian is in smaller supply, pale set being quoted up to 45s. per cwt.

Ipecacuanha is slow of sale and easier, good bright stout Matto Grosso offering at from 6s. 9d. down to 6s. 3d. for ordinary lean. Minas is 6s. 9d., East Indian 6s. 3d., and Cartagena still 9s. per lb.

Menthol.—Practically all second-hand holders continue to quote 24s. per lb. for Kobayashi-Suzuki. To arrive 18s. 6d. c.i.f. has been paid for October-November shipment.

Mercury.—A moderately good business is being done. Spanish sells at £9 10s. per bottle, which may be regarded as the nearest quotation, although some sellers quote up to £9 15s. Last month's imports were 104 bottles, against 735 bottles for September last year, the total for nine months being 20,677 bottles, compared with 27,940 bottles for the same period of 1920.

Orris.—Good Florentine sorts are obtainable on the spot at from 44s. to 45s. per cwt.

Rhubarb has been in fair demand at steady prices, including 5s. to 5s. 3d. per lb. for round Shensi and fine, flat, medium at 5s. Canton is quoted at 5s. 3d. Flat high-dried is 4s., and rough round high-dried 2s. 3d. per lb.

Sarsaparilla is firm, genuine grey Jamaica offering at from 2s. to 2s. 3d., Lima-Jamaica at from 1s. 10d. to 2s., and red native at 1s. 9d. per lb.

Senega.—In spite of the improvement in the sterling rate of exchange, the price has remained in favour of sellers at about 4s. 4d. per lb. on the spot and at 4s. 2d. c.i.f.

Shellac has been quiet throughout, with usual standard TN Orange quality selling at from 325s. to 330s. per cwt.; fine lemon is 400s. to 410s., AC cakey 285s., and GAL 265s. per cwt. on the spot. For delivery, the sales include October at 330s., and December at from 327s. 6d. to 330s. per cwt; closing sellers at 325s.

Soy.—Good brands are obtainable at 3s. 10d. per gallon, duty paid; prices will be cheaper later.

Spermaceti.—American refined can be had at from 11d. to 1s. per lb. in cases.

Starch Products.—*Farina* continues dull. The value of Japanese No. 1 is 27s. 6d. per cwt. c.i.f. for October-December shipment, and Dutch farina on the spot is still 27s. *Maize starch* powder is cheaper at 15s. 6d. per cwt. on the spot, and pure *Rice Starch* crystals is unchanged at £40 per ton.

Turpentine has fluctuated considerably, but has shown remarkable resistance on balance, in spite of a disappointing demand, and closes at 67s. 6d. per cwt. spot. The

next move depends on developments in the United States. Forward spirit continues at a premium, and the undertone is inclined to be firmer. The London stocks have fallen again to about 11,000 barrels American, which, with French, makes a total of roughly 12,000 barrels. The September imports amounted to 782 tons only, making an aggregate of 9,635 tons, against 13,622 tons and 16,230 tons respectively for the same months of 1920 and 1913. Our re-exports for eight months were 1,583 tons, compared with 615 tons for the same period of 1920.

WAX, VEGETABLE.—Japanese has become extremely scarce on the spot during the past few weeks, and the value is nominal at 107s. 6d. per cwt. There are plenty of sellers to arrive, who quote 95s. c.i.f. downwards. *Carnauba wax* is quoted at 92s. 6d. per cwt. for fatty grey and 85s. for chalky.

Seeds and Spices

ALMONDS.—The decline in prices has affected the demand, as buyers have little confidence in the position.

ANISE is easier; *Russian* is 74s. per cwt. and *Spanish* 75s. on the spot.

CANARY SEED is dull of sale; *Mazagan* is 92s. 6d. and *Larache* 75s. to 80s. per quarter.

CARAWAY SEED.—*Moroccan* is 22s. 6d. per cwt. and *Dutch* 32s. 6d. per cwt.

CINNAMON continues neglected, and can be had at reasonably low rates.

CLOVES are steady, with sellers of Zanzibar on the spot at 1s. 4d. per lb., which price has been paid. Parcels afloat have been sold at 1s. 3d., and October-December shipment at 1s. 3d. c.i.f., with further sellers at 1s. 2¾d. c.i.f.

CUMIN SEED is quiet at 45s. per cwt. c.i.f., and spot is 57s. 6d.

DILL SEED is dearer at 25s. per cwt.

FENNEL SEED is easier at 40s. per cwt. on the spot.

FENUGREEK SEED is unchanged at 12s. 6d. per cwt. on the spot and at 11s. 6d. c.i.f.

GINGER continues firm, Japanese offering at about 45s. Sound Cochin is available at about 62s. 6d. and sound Calicut 57s. 6d.; common dark, 50s. to 52s. 6d.; sound African is 38s.

HEMP SEED is scarce at 24s. 6d. per cwt. on the spot.

LINSEED is 27s. per cwt. on the spot for *Moroccan*.

MUSTARD SEED is quoted at 34s. per cwt. good yellow *English*.

NUTMEGS have been selling well at previous prices for Singapore and Penang, but West Indian have been slow.

PEPPER sells slowly in the absence of export demand. On the spot fair black Singapore selling at 4d. per lb. October-December shipment have been sold at 3¾d. to 3⅝d. per lb. c.i.f., being easier. Lampong is 4½d., Tellicherry 4½d., and Aleppy 4¼d. on the spot. *White* pepper is easier. Muntok offering at 8⅜d.; to arrive, October-December and November-January shipment has been sold at 7¾d. c.i.f. Singapore is 8d. on the spot, and the value of October-December shipment is 7½d. c.i.f. At auction 260 bags Ceylon black offered and 137 sold at 5¼d. to 5⅜d. per lb. for No. 1.

PIMENTO is quiet, with spot sellers at 2½d. per lb.

Essential Oils

THERE appears to have been only a moderate demand, although French oils are reported to be attracting buyers, and imports have been on a freer scale. Sicilian oils show a further slight decline. Cedarwood and Ceylon citronella are easier. Ceylon cinnamon leaf is firmer, and in some directions higher prices are obtained for wintergreen. The market in aromatic and synthetic chemicals seems to be in a transitional stage. Prices should be higher, but, although many articles are undoubtedly tending firmer, buyers remain in a strong position, while stocks are large and requirements small.

ANISE (STAR).—"Red Ship" on the spot is nominal at 2s. 3d. per lb., and forward prices are too high to be of interest.

According to the "Bulletin" of the Republic of China Government Bureau of Economic Information (August 26, 1921), "An official report records the serious set-back which was experienced in 1920 by the aniseed oil trade. Production increased more than the demand, and the large stocks at Hong Kong are likely to have an unfavourable influence on the trade."

BAY is unchanged at from 14s. to 15s. per lb. for spot.

BERGAMOT is tending cheaper for 37 to 39 l.a. Parcels afloat are obtainable at 23s. 3d. per lb. landed. On the spot 25s. 6d. to 27s. 6d. includes most of the quotations, and to come forward the price is 23s. 6d. to 26s. 6d. c.i.f.

CAJUPUT is quiet at 3s. to 3s. 2d. per lb. for spot.

CAMPHOR.—Japanese essential white is unchanged at from 126s. to 130s. per lb. in large drums. The price to come forward is 95s. c.i.f.

CASSIA on the spot is unchanged at 4s. 6d. per lb. for 80 to 85 per cent. c.a., according to seller. For shipment about 4s. 2d. c.i.f. is the current quotation.

CEDARWOOD is on the easy side to come forward, and 2s. to 2s. 1d. c.i.f. is quoted. On the spot, quotations are unchanged at about 2s. 8d. and upwards, as to quantity.

CINNAMON.—Ceylon leaf is firmer at 5d. to 5¼d. per oz. To arrive 4¼d. to 4½d. c.i.f. is about the value.

CITRONELLA is a shade easier on the spot for Ceylon at 1s. 5½d. to 1s. 6d. per lb. and Java at 2s. 9d. The price to come forward for Ceylon is easier at 1s. 5d. c.i.f.

CLOVE.—The spot quotation for English distilled is 10s. per lb., with second-hands still selling at 9s. 6d.

EUCALYPTUS.—For 70 to 75 per cent. cineol content 1s. 9d. per lb. spot is about the current quotation.

GERANIUM.—Bourbon is quoted much firmer in some quarters, but no business is obtainable at the prices mentioned, buyers being still able to fill their requirements at from 15s. to 16s. per lb. Algerian is unchanged at last week's figures, 22s. to 23s. spot, but higher prices are quoted in some directions at from 25s. to 27s.

LEMON shows a slight decline, and there are now good spot supplies at from 3s. 3d. to 3s. 9d. per lb. To come forward the prices are about 3s. 4d. to 3s. 9d. c.i.f.

LEMONGRASS.—Cochin is unchanged at about 3¼d. per oz. spot and to come forward.

MINT.—Japanese dementholised Kobayashi-Suzuki is unchanged on the spot at 4s. 8½d. to 4s. 9d. per lb. For shipment 4s. 5d. c.i.f. is quoted.

ORANGE.—Sicilian sweet is cheaper on the spot at from 14s. 6d. to 16s. per lb. New crop to come forward is quoted at from 14s. 9d. to 16s. c.i.f.

PATCHOULI has been in fair demand, and 37s. 6d. to 40s. per lb. represents the general quotation.

PEPPERMINT.—For American tin oil a fair demand is reported; 11s. 6d. per lb. is about the average price on spot, being steady. To come forward 10s. 3d. c.i.f. is quoted. H.G.H. is reported scarce on the spot, with inquiries at 34s. per lb., which is lower than last quotation. The arrival price does not interest buyers.

SPIKE.—Some importers of Spanish state that at the source higher prices are being asked, and there is a likelihood of an increase in the near future of about 9d. per lb. on the present c.i.f. quotations of 3s. 6d. to 3s. 9d.

WINTERGREEN (SWEET BIRCH OIL).—Some importers make the price higher on the spot, and report business done at 21s. per lb. spot.

WORMSEED is firmly quoted at 21s. 6d. per lb. c.i.f., and reports state that much of the new-crop oil is not up to U.S.P. standard.

Aromatic and Synthetic Chemicals, etc.

AMYL SALICYLATE is quoted variously at from 4s. to 5s. per lb. BENZALDEHYDE f.f.c. is 3s. 6d. to 4s. BROMSTYROL is obtainable at from 12s. to 16s. per lb. BENZYL ACETATE and BENZYL BENZOATE are unchanged at 3s. 6d. to 4s. per lb. BENZYL ALCOHOL of good quality is offered at from 4s. 6d. to 6s. per lb. as to seller, and technical at 3s. 6d. CHLOROPHYLL is not included in the list of chemicals under the Safeguarding of Industries Act. Spot quotations average from 17s. to 21s. per lb. (parcels being sold on sample) for fair to fine quality. There is a great range of prices, however. CITRONELLOL is quoted at from 25s. to 45s. per lb. upwards. For COUMARIN 11s. 3d. to 12s. 6d. are current quotations. GERANIOL of good quality is obtainable at about 12s. per lb. HELIOTROPINE is quoted variously at from 10s. to 12s. per lb. METHYL ANTHRANILATE ranges between 9s. 6d. and 12s. 6d.

MUSK AMBRETTE is offered at from 85s. to 100s. per lb., KETONE at from 50s. to 65s., and XYLOL 12s. 6d. to 16s. SAFROL has been in good demand at 3s., and dealers are now holding for 3s. 3d. per lb. in large drums. TERPINEOL has a range of 2s. to 2s. 6d. VANILLIN is dearer, but in less demand at 39s. to 40s. per lb. The above quotations are for spot.

Fixed Oils, etc.

DURING the past week business in most products has been rather slack. Linseed oil had eased off down to about 29s. 6d., but after settling day on October 7 the market firmed up sharply and closes firm. ACID OILS remain quiet and offered on spot at: Coconut, 47s.; palm kernel, 46s.; groundnut, 40s. BONE GREASE continues steady, but only moderately active on spot, closing at: pale water, none offered; brown, 37s.; benzine, 35s. CASTOR OIL is firm at last week's figures and a little more active on spot at: Pharmaceutical, 65s.; first pressings, 57s.; second pressings, 52s. COCONUT OIL.—Deodorised, 66s.; Ceylon, 57s.; Cochin, 69s. on spot; market remains dull with values easy. COTTONSEED OIL has been in poor demand only, and prices close rather easier at: Deodorised, 63s.; common edible, 57s.; soapmaking, 49s.; and crude, 45s. FISH OILS show no signs of livening up and close dull at: Japanese in cases, 23s. 6d. c.i.f. for shipment; coast cod, on spot, 29s. GROUNDNUT OIL.—Deodorised, on spot, closed dull at 68s., and crude Oriental for shipment at 55s. c.i.f.; market has been very quiet. PALM-KERNEL OIL is showing up slightly easier at the close at: Deodorised, 60s.; and crude, 48s. on spot. PALM OIL closed steady, but values had fallen during the week to: Lagos, 39s.; softs, 36s. 6d.; and hards at 34s. 6d. on spot. RAPE OIL is fairly steady at the close at: Refined, in barrels, 61s.; and crude, 54s. to 57s.; market has not been very active. SOAP STOCK (groundnut).—None offering, and values are nominal. SOYA BEAN OIL.—Deodorised is a shade dearer at 64s. on spot; and crude a point cheaper at 45s. c.i.f. for shipment. LINSEED OIL is still unsteady as the result of the after-effects from over-speculation, although the market has rallied well from the worst. The trade demand is slow, but seed not having been so eagerly offered at rather harder rates, crushers seem of opinion that an upward reaction in the by-product will not be long in asserting itself. The quantities of seed afloat from the River Plate have been further reduced to 146,000 tons, this including Continental ports. There is still a fairly large surplus to come forward from that source. Closing prices for oil are 30s. naked, November-December 29s. 3d., and January-April 30s.; boiled oil, 35s. on spot ex mills; Hull, 29s. naked. AUSTRALIAN TALLOW has been quiet throughout, and closing prices are easier at: Fine mutton, 58s.; fine beef, 59s.; good mixed, 59s.; and inferior from 34s. to 42s.—all on spot.

Pharmaceutical Chemicals, etc.

GENERALLY the market is maintained at about last week's level as regards prices, but there are a few instances of declines which are counteracted by some slight advances, without any important changes however. Business was for a few days quite good, but towards the close has quietened down considerably, and prices generally are unsettled, the further depreciation in the German mark rendering trade unstable and more or less of a gamble. Acetanilide and calcium lactate are firmer in some quarters. Hydroquinone, B.P. creosote, and paraformaldehyde are easier. Phenacetin is fairly steady, and milk sugar is firm. Citric acid, tartaric acid, and cream of tartar are depressed. The Safeguarding of Industries Act has already had the effect of curtailing re-export trade, and a fair quantity of orders are being placed with Continental makers for shipment direct to the Colonies and elsewhere. No import duty is payable on "key" products *in transit*, only formal Customs declarations being necessary.

ACETANILIDE (crystals and powder) has been in brisk demand; holders have firmed up their prices, and very little is now offered below 1s. 7d. to 1s. 8d. per lb.

AMIDOPYRIN remains dull, and some offers are down to 20s. to 20s. 6d. per lb.

AMMON. ICHTHYOSULPHONATE.—A few orders have been placed at about 2s. 3d. per lb.

ASPIRIN continues in fair demand, with quotations firm at 3s. 2d. to 3s. 4d. per lb.

ATROPINE SULPHATE is well maintained at last week's higher figure of about 22s. per oz.

BARBITONE remains steady at 12s. 6d. per lb., but demand is slack.

BENZOIC ACID continues to be quoted at 2s. 3d. to 2s. 6d. per lb., with little inquiry on the market.

BENZONAPHTHOL appears to have firmed up to 6s. 6d. per lb., although the demand is not great.

BETANAPHTHOL.—Resublimed finds but few buyers for the good supplies offering at round about 3s. 6d. per lb.

BROMIDES.—Ammonium remains steady, but rather dull, at 1s. per lb. Potassium is generally quoted at 9d. to 9½d. per lb. for granular and crystals respectively. Sodium is perhaps a shade firmer at 10½d. to 11d. per lb.; large quantities may be had at lower figures.

CALCIUM LACTATE is showing up slightly firmer, and difficult to obtain under 2s. 9d. per lb., but in quantity a trifle less would be accepted.

CHLORAL HYDRATE is at about last week's figures of 5s. 3d. to 5s. 6d. per lb.; good supplies are offering, and some little demand has been experienced.

CITRIC ACID remains steady at 2s. 5½d. to 2s. 6d. per lb., less 5 per cent.; the demand has been poor, but holders are firm at these figures.

COCAINE.—Hydrochloride continues steady at 10s. 6d. per oz. for small lots.

CREAM OF TARTAR meets with little demand, the nominal quotation being 130s. per cwt., but with an order in hand 125s. would probably be accepted.

CREOSOTE B.P. has dropped back during the week, and is now offered at 4s. 6d. to 5s. per lb.

CREOSOTE CARBONATE is fairly steady, but dull, at 13s. 6d. to 15s. per lb.

GUAIACOL CARBONATE is still neglected, with offers at 12s. 6d. per lb.

HEXAMINE is unchanged at 4s. 3d. to 4s. 6d. per lb., with a limited business being done.

HYDROQUINONE is a shade cheaper at the close, at 4s. 3d. to 4s. 6d. per lb., and the demand has fallen off.

METHYL SALICYLATE is held firm at 2s. 6d. to 2s. 9d. per lb., but business has not been good.

METHYL SULPHONAL is showing up a point firmer at about 22s. per lb.; the market is not very active.

MILK SUGAR remains very firm at 150s. per cwt. for B.P. powder, and fair quantities have been sold at close up to this figure. When the duty-free stocks are exhausted higher prices are expected.

MOLYBDIC ACID.—Makers have reduced their prices for molybdic acid and its salts. Pure acid is quoted at about 8s. 6d. to 8s. 9d. per lb.; ammon. molybdate pur. is 9s. 6d. to 9s. 9d.

PARAFORMALDEHYDE has eased off slightly, and is now offering at about 3s. 6d. to 4s. per lb., with the market uninterested.

PARALDEHYDE is firm at about 2s. per lb. upwards, and a few orders have been placed.

PHENACETIN seems fairly steady at about 6s. 6d. per lb.; sales have been fair.

PHENAZONE is still offered at 8s. 3d. to 8s. 6d. per lb. on a dull market.

PHENOLPHTHALEIN is now steadier at 3s. 6d. to 3s. 9d. per lb.

POTASSIUM PERMANGANATE still finds a fair market at the old figures of 1s. upwards per lb. for B.P. imported material.

POTASSIUM SULPHOGUAIACOLATE remains stagnant, and some holders are now offering down to 7s. 3d. to 7s. 6d. per lb., others at 8s.

QUININE.—Dealers quote sulphate at 3s. 10d. to 3s. 10½d. per oz. for either English or Japanese in small lots. The stocks at the end of September show the increased figures of 469,104 oz., against 325,664 oz. in 1920. Quinine ethyl carbonate can be had at 5s. 3d. per oz.

RESORCIN, although not in brisk demand, is quite firm at 8s. 6d. per lb.

SALICYLATES.—Sodium salicylate is at about the same level at 2s. 4d. to 2s. 5d. for powder and 2s. 6d. to 3s.

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for crystals, the latter for finest quality. Salicylic-acid powder is unchanged and steady at 1s. 5d. to 1s. 8d. per lb.

SALOL is unchanged and steady at 2s. 6d. upwards per lb.; demand is not good.

SILVER NITRATE.—The price for crystals on October 12 was based on a metal price of 42⅝d. per oz. as follows: In quantities of 50 oz., 2s. 7⅜d. per oz.; 100 oz., 2s. 6⅞d. per oz.; 250 oz., 2s. 5 13/16d. per oz.; 500 oz., 2s. 5⅞d. per oz.; 1,000 oz., 2s. 5⅞d. per oz.

SODIUM BENZOATE is unchanged and quiet at 2s. 4d. to 2s. 6d. per lb.

SODIUM DIETHYLBARBITURATE still drags on the market at about 22s. per lb.

SULPHONAL finds but few buyers at holders' price of 21s. per lb.

TARTARIC ACID has an easy undertone, with spot supplies available at 1s. 5d. per lb.

TERPENE HYDRATE can be had at 2s. 9d. per lb. upwards.

THYMOL is nominal at 22s. 6d. to 24s. per lb.; no business recorded.

Heavy Chemicals

Wednesday.

THERE is very little of importance to comment upon this week in industrial chemicals. The market as a whole has been distinctly quiet, with occasional spurts in demand for a few products. Generally prices are being well maintained, but in many instances they are nominal, as there is no demand. The "key" products of this market continue to stand up firm at the increased figures.

ACETIC ACID continues fairly active, with good inquiry for the stocks imported prior to the "key" duty coming into force. Values are firm at £45 per ton for 80 per cent. pure, 98 per cent. glacial £53 10s. to £54 10s. per ton.

ACETONE.—British Government specification remains dull, with no interest being shown in the offers, at about £85 per ton. It is not likely that the B.G.S. quality will be deemed "pure" under the "key" list. This information is not from official sources.

AMMONIUM SULPHATE (basis 25¾ per cent. ammonia) for October delivery is £14 13s. per ton, for home trade only.

ARSENIC is unsettled and prices are unreliable pending developments in the attitude of Cornish producers. First-hand offers were heard of late on Tuesday at anything between £37 10s. and £40 per ton delivered London or Liverpool. Official returns for 1920 give the United Kingdom imports as 230,812 lb. and the exports as 202,889 lb.

BARIUM CHLORIDE (98 to 100 per cent.) remains nominal on a dead market. Continental stuff is offered at about £12 10s. per ton, but is entirely neglected.

BLANC FIXE continues steady but quiet at £22 10s. per ton.

BORAX from makers and holders of spot parcels are quoted at about same figures. The demand is very light for spot lots. Commercial, crystals, £31; powdered, £32; B.P., crystals, £35; powdered, £36 to £37; extra fine, about £37 per ton.

COPPER SULPHATE is rather firmer, export business being improving, but Liverpool f.o.b. terms continue wide at £30 to £32, due to keen competition. Italian makers are said to be making headway again with new production, and are thus covering their needs on this side in rough bar copper, the tendency of which has been decidedly firmer. It is hardly likely that prices for sulphate will be advanced much this season even if the demand expands. Cost of production is being somewhat reduced, and there is a lot of cheap scrap metal which is being utilised for the purpose. The September exports amounted to only 187 tons, making a total of 24,362 tons for the nine months, compared with 17,810 tons and 73,430 tons respectively for the same period of 1920 and 1913.

FORMALDEHYDE is steadier after the recent drop, and remains unchanged at £90 per ton. Demand continues exceedingly small for spot lots.

GLAUBER'S SALT is still very sluggish, with commercial quality offering at about £5 per ton f.o.b. in bags.

LEAD ACETATE, which eased off considerably last week, is unchanged but still finds few buyers. Brown broken is £37 and white crystals £40 per ton.

LIME ACETATE shows no signs of activity, with values easy at £10 per ton.

LITHOPONE is only moving occasionally in small lots, with offers being made at: Continental red seal, 30 per cent., £25 10s., and light resisting £28.

OXALIC ACID is steadier this week at the old figure of 9d. per lb., and a fair amount of business is reported.

POTASH CAUSTIC remains unwanted on spot at £30 per ton for 88 to 92 per cent. material. Forward quotations from Continent are cheaper.

POTASSIUM BICHROMATE is quoted by makers at 10½d. per lb., with spot lots offered at 8½d. per lb., but there appears to be no demand.

POTASSIUM CARBONATE remains quiet and quoted at £26 per ton for 90 to 92 per cent. material.

POTASSIUM PERMANGANATE.—Commercial quality imported material continues fairly active at about 11d. per lb. Makers at home are now quoting at about 1s. 2d. per lb.

POTASSIUM PRUSSIATE remains steady with the market rather quiet. Yellow, 1s. 2d. to 1s. 2½d., red 2s. to 2s. 3d. per lb.; these are makers' and spot holders' prices.

SODA ASH (58 per cent. light alkali) continues to be called for on the spot, and remains quite firm at about £9 to £9 10s. per ton. Home makers are now quoting £8 7s. 6d. per ton, for home trade only.

SODA CRYSTALS on the spot ex store at about £7 per ton meet with few inquiries. Makers quote £7 per ton ex works or station for home trade only.

SODIUM BICARBONATE.—Refined material offering on the spot at £12 10s. per ton continues to drag; values are not firm.

SODIUM BICHROMATE is quoted by makers at 7½d. per lb. Offers on the spot are at about 7d. per lb. American is offering at about 6½d. to 7d. per lb. c.i.f. U.K. and Continent. There is, however, practically no demand.

SODIUM CAUSTIC.—Ex makers' works, 70 to 72 per cent. is £24 10s. per ton; 76 to 77 per cent., £26 15s., for home trade only. Spot lots are rather scarce, especially the 76 to 77 per cent., and prices are firm at £24 to £25 for 70 to 72 per cent. and £25 10s. to £26 per ton for 76 to 77 per cent.

SODIUM CHLORATE is now quoted by makers at 4¼*d.* per lb. and spot lots are fairly firm at about 4d. per lb.

SODIUM CYANIDE remains unchanged at 11*d.* to 11½*d.* per lb., with the market still quiet.

SODIUM HYPOSULPHITE.—Home makers continue to quote £20 per ton for photographic quality and £15 for commercial. Imported material on the spot is round about £22 10s. for pea crystals and £15 10s. for commercial. The demand has fallen off lately.

SODIUM NITRITE (100 per cent.) continues quiet, with values unchanged at £40 per ton.

SODIUM PRUSSIATE continues to be quoted by makers at 8d. per lb., and spot lots are also offered at about this figure, but the demand is slow.

SODIUM SULPHIDE is quoted by makers at £22 per ton for 60 to 65 per cent. concentrated in casks; 60 to 62 per cent. solid on the spot in iron drums is weak on a dull market at about £22 per ton.

SULPHUR has been in good demand of late, particularly at provincial ports, for disinfecting ships. Current price of Sicilian flowers is about £15 per ton and £14 10s. for roll.

COAL-TAR PRODUCTS.—Throughout the market quotations are being made at about last week's figures, with business continuing on small lines only. Aniline oil is dull at 1s. 2½d. per lb. Aniline salt remains unchanged at 1s. 4d. per lb., but values are weak. Betanaphthol finds but few buyers at 1s. 9d. per lb. Benzol remains firm, with a fair business at: Pure, 3s., and 90's at 2s. 7d. per gallon. Burning oil continues unchanged and fairly firm at: No. 3, 8½d. and No. 2 8d. per gallon. Carbolic-acid crystals are still only inquired for in small lots, and values are weak at 7d. per lb. in bulk packing. Cresylic acid is unchanged in all grades at crude 1s. 10d., 95 per cent. 2s. 3d., and 97 per cent. 2s. 6d. per gallon. Disinfectants are neglected but quoted at 3s. 9d. per gallon. Naphthalene

is unchanged for all qualities, and there has been a little inquiry; crude, £5 to £9 per ton; powder, £19; crystals, £22; flakes, £23; balls, £28 per ton. Pitch remains quiet but is much steadier at the lower figure of £3 10s. per ton. Naphthas are rather quiet, with values about the same, at 90 to 160, 2s. 9d.; 90 to 190, 2s. 7d. per gallon.

German Drug and Chemical Markets

THE market report, dated October 1, of a leading Hamburg wholesale drug-house opens with the statement that the tragedy of the death agonies of the mark and of the Austrian crown are the visible results of the catastrophe which has befallen the working economic world in consequence of an amateurish peace, concluded without consideration for the future, and overstepping the limits of what is possible. The wild fluctuations of the exchange are again creating another period of increased costs, which is bound to prove disastrous in the end. Official steps to put a stop to these practices, and even the threat of the death penalty as introduced in Jugo-Slavia, do not act as a deterrent. Those who speculated on a rise are counting their gains, and of the others who speculated on a fall many have committed suicide. Neither of these two categories pause to think that the basis of their existence, the State, is thereby threatened to its very foundations, and must sink further into financial distress. Industrial prosperity is an impossibility where the whole people is being pauperised. All transitory pleasures are destroyed when, after the carnival, the masks are dropped, and the advent of Ash Wednesday brings its sobering effect. What formerly was unpardonable in a single individual has now become the permitted madness of nations. Should there be no sudden general recovery the result will be that all States will share the same fate, and will glide still further down the slope of ruin. In our branch of trade the general tendency is very firm for practically all articles. Prices, in marks, for 1 kilo.:

ACETIC ACID (80 per cent.) is in normal demand at m.14, and for export m.12, exclusive of carboys.

AGAR-AGAR.—Russia has bought up the whole of the local stocks and almost all the forthcoming deliveries, and is still in the market for further supplies. It is, therefore, advisable to buy. The present price for Kobe No. 1 is m.140 for orders of several bales, delivery middle of October; broken bulk m.150.

ALKANET ROOT is unchanged at m.14.

BALSAM PERU.—A consignment of genuine original has just arrived, and is offered at m.476 in cases. Ph.G.V. has changed hands at m.200; artificial is m.120.

BENZALDEHYDE, almost free from chlorine, for foodstuffs, has been in good demand at m.40, and for export m.45.

BENZOIC ACID and SODIUM BENZOATE have advanced to m.40.

BORAX.—Prices have been advanced by the Convention, and it is offered at the low price of m.14 for crystals and m.14.50 for powder and granular.

BORIC ACID has also advanced considerably, and is offered cheaply at m.27 for crystals and scales and m.28 for powder.

CAFFEINE.—Pure has been sold only in small amounts at m.725. Salts are practically unchanged at m.400.

CITRIC ACID.—Manufacturers have again advanced their prices to m.115; for export m.105 is a low quotation.

COUMARIN has advanced to m.450.

CREAM OF TARTAR (98 to 100 per cent.).—Practically no stocks are available, and the factories are cleared, so that prices have advanced considerably. It is offered at m.43; for export m.44.

DEXTRIN is in brisk demand, and fetches m.11.50 for white, prime yellow is m.11, and ordinary yellow m.10.

GENTIAN is in small demand at m.18.

GLYCERIN.—Manufacturers have advanced their prices, and Ph.G.V. quality is offered cheaply at m.36.

HELIOTROPINE has recently been in better demand, and now realises m.350; for export m.375.

MENTHOL.—Larger purchases for stock have caused the price to advance to m.1,250 for orders of original cases and m.1,300 for broken bulk.

MILK SUGAR.—As was foreseen, prices have advanced, and during the winter a further increase is likely, therefore it is advisable to buy now at m.28, and for export m.32.

QUILLAIA has advanced to m.14.50 for cut and powder to m.16.

SALICYLIC ACID.—Manufacturers have advanced their prices, and it is now offered at m.50, and for export m.52.

SODIUM SALICYLATE has remained stationary at m.65, in consequence of diminished supplies and decreased demand.

STAR ANISE is in slight demand at m.30.

STRAMONIUM LEAVES.—Almost the entire crop has been purchased by a large foreign drug-house and a Hamburg exporter, and one is now waiting until the United States have completed purchasing for stock, when considerably higher prices will rule. It is, therefore, advisable to buy now at m.20 until the new harvest is available.

TARTARIC ACID.—One of the largest factories has advanced the price to m.60. Very large orders from abroad, particularly from the United States and Great Britain, have caused the price to become very firm at m.43 for powder, granular, and crystals; for export m.44.

VANILLIN.—Higher prices for cloves and oil of cloves have again led to considerable advances in price by makers, and the Syndicate has increased the price to m.1,550; it is offered at the lower figure of m.1,525 for home and for export.

WORMSEED, in consequence of a very large demand and scanty supplies, has advanced to m.325.

German Chemical Industry

AN extremely interesting insight into the working of the German chemical industry during the past year is afforded by the annual report of the trade association of the chemical industry, an organisation which comprises every undertaking included in the category of chemical works, and administers the insurance against accidents in industrial undertakings portion of the German law on social insurance. In 1920 there were 15,011 chemical works, against 15,060 in 1919, the decrease being principally due to the fact that a number of works situated in former Prussian territory have now passed under Polish dominion. The total number of persons employed in these undertakings, and liable to be insured, i.e., their income not exceeding 20,000m., amounted to 348,689, compared with 304,673 in the preceding year, an increase which bears testimony to the greater activity displayed during the past year. These employés received in wages and salaries a total remuneration aggregating 3,538,857,776m., compared with a total of 1,131,682,108m. paid out in 1919. The number of fully employed workmen increased from 294,766 in 1919 to 340,310 in 1920, an increase in employment of 15.45 per cent.—a notable figure, especially when we consider that the total number of working days accomplished by these workmen rose from 88,231,447 days in 1919 to 101,890,802 days in 1920. In addition, the part-time workmen employed in the chemical industry decreased from 544,161 in 1919 to 535,313 in 1920. An extremely interesting illustration of the rise in wages in Germany is afforded by the fact that whereas in 1913 the average annual wages earned by a full-time workman in the chemical industry amounted to 1,266m. (then equivalent to £63 6s.), in 1920 the annual earnings averaged 10,003m. (nominally equal to £500 3s., but at the present rate of exchange this represents about £22); thus, in German currency, the German chemical workman's wage has increased by no less than 690.13 per cent., but in consequence of the enormous depreciation of the mark, in comparison he is actually receiving less, a point of very considerable importance when the question of competing in foreign markets arises. The following table gives the total number of full-time workers employed in all the German chemical works for each year since 1913, together with the total amounts paid out to them in wages, and the average annual wage (in marks):

	No. of full-time workers	Total paid in wages	Average wage per annum
1913 ...	227,629	351,520,206	1,226
1914 ...	245,980	313,508,108	1,274
1915 ...	219,646	295,217,251	1,344
1916 ...	256,420	382,783,261	1,493
1917 ...	334,851	652,877,501	1,950
1918 ...	360,256	889,141,025	2,468
1919 ...	294,766	1,064,782,786	3,612
1920 ...	340,310	3,404,102,754	10,003

The increase in wages during the war was, in consideration of all the circumstances, not very great; it is since the beginning of 1918, towards the end of the hostilities, that considerable augmentations were granted to the workmen, generally in order to enable them to pay for the necessities of life which had already then assumed fantastic figures. The enormous rise in wages since the armistice is, of course, a result of the depreciation of the mark.

Correspondence

Cost of Living

SIR,—In reply to "Lucullus" (*C. & D.*, September 17, p. 60) I may say that it is quite possible to live on £4 a week even in these days of inflated prices, and, with care, to have a small margin over. In pre-war days it was taken as an axiom that rent should be about a quarter of income, so that as "Lucullus'" rent and taxes are £37 a year he is well under pre-war figure, and in fact he can include two tons of coal yearly and gas for cooking and lighting (at 3s. a week) and still be 5d. under the pound, or a quarter of his salary. The next item is food, and, without going into details, good plain but substantial meals can be provided at 30s. a week, and a further 10s. a week can be allotted for clothing, although by taking one year with another this should be an over-estimate rather than under. These are the prime necessities and use up three out of his four pounds, leaving him one pound for any incidentals, such as tobacco, papers, postage, and a modest holiday once a year. It is, of course, difficult to lay down figures for any particular case without some actual details to go on, so that I have had to assume that "Lucullus" lives near his work and can get home to meals and has no fare to pay, and also that he is a handy man about the house, and further that his wife is a good marketer, can cook economically, and make her own clothes. It goes without argument that there is no margin over for frills; one cannot indulge in weekly charabanc trips or stalls at the theatre, but has to rely on one's own innate resources to provide recreation and amusement; but at the same time there are many families to-day who draw less than £4 weekly and manage to live on it. Yours faithfully,

ONE WHO DOES IT (17/9).

J. F. G. (17/9) writes: "Lucullus" should hand over £3 a week to his good partner and leave it to her. Then, with a mind full of finance, he should look out for more.

Educated Policemen

SIR,—An unexpected development under the Dangerous Drugs Act Regulation is reported, under Scottish News, from Glasgow (*C. & D.*, October 8, p. 43), where it is proposed that the police constables shall be instructed in the reading of prescriptions. Considering the arguments that have been put forward as to the safety limits of the drugs concerned and the various factors which go to the fixing of these limits, it will presumably also be necessary to instruct the constables in the intricacies of w/w and w/v percentages, and in the method of taking specific gravities and so on, in which case the policemen would have to undergo a complete course of technical training. Perhaps, however, it is only meant that they should be able to recognise the ordering of dangerous drugs, and report them to a county analyst or other expert for verification. In any case, the whole procedure is an unsatisfactory one, and is likely to be provocative of much unnecessary hardship and annoyance, as an over-zealous and partially-instructed official is likely to jump to conclusions that a trained mind would never do. I do not envy the divisional doctors if this system is to be brought into action all over the country. It will be interesting to watch the policeman checking the dispensing doctor's transactions, but I expect the Home Office instructions are only to harass chemists, as doctors have powerful associations to look after their interests. One naturally compares this procedure with the condition of affairs in the Army as revealed by "Pharmaceutical Chemist" in his letter (*C. & D.*, October 8, p. 72); in the first case a police constable, after a sort of preliminary canter in prescription reading, is invested with powers of inspection which may result in a pharmacist undergoing a criminal trial and risking six months' imprisonment; and in the second case a qualified pharmacist, recognised by the law of the land as having proved himself the possessor of such knowledge and skill as is required to keep open shop, has to undergo an examination in elementary chemistry, the B.P., poisons, doses, and, last straw of all, practical dispensing, before he is capable of acting as a Class A dispenser, with the rank of corporal. No wonder we heard so many histories during the war of qualified men being put to floor-scrubbing and other similar duties, which in the eyes of the authorities are apparently on the same scale as pharmaceutical work. Yours faithfully,

INSTRUCTED (8/10).

Candid Criticisms of a Locum

SIR,—From a locum's point of view, it is most interesting to compare men and their different systems in carrying on the same business, under varying circumstances and conditions, and in different localities. The one great fact which strikes me most is that the average chemist is not a smart business man. There are two distinct types of men in business to-day: (1) The man who could extend his business tremendously, but does not take the trouble to make the most of his opportunities; (2) the man who could extend his business, but does not know how to make use of his opportunities. Nearly every chemist I have met is losing business every day of his life, and is handing it over to his competitors, not only to brother chemists, either, but to grocers, hairdressers, drapers, and other tradesmen who are keener business men than he is, and who know how to make use of opportunities. It is a sad state of affairs, but it is true. The chemist who whines about the grocer selling "Glaxo" and baby foods, the draper selling perfumes, baby soaps, and baby powders, and the hairdresser selling hair-tonics, shaving-soaps, and toilet-requisites, has oft-times only himself to blame. It is often due to the fact that he will not stock what his customers want; he tries to sell them something just as good. He may succeed once, but he does not get "repeat orders," as the customer sees a show of the thing he wants in another tradesman's window, and he never worries the chemist again. The modern chemist must adopt modern ideas or go under. The dispensing department in most chemists' shops to-day is a side-line. The things that pay nowadays are nationally advertised goods with a reputation behind them, and the chemist who realises this and takes full advantage of it is bound to succeed; he will make more money in one week than many of the more conservative of our craft have been making in one month. A man's own proprietaries are sometimes the outcome of a good deal of thought, work, and trouble, and are often better than many nationally advertised preparations of the same kind; nevertheless, if a customer wants an advertised brand he will get it somehow. If he buys one of your own make, and it fails to come up to his expectations, your reputation has gone for ever. But if he buys a branded article and it does not cure, he comes back and asks you for your advice. Then is your chance. If you have got a good thing, recommend it; and if it completes the cure your success is made. In a small town your reputation soon spreads, and it is either to your good or to your detriment; supply what you are asked for always, if possible, and you are bound to "make good." If every chemist applied this principle to his business he would soon find returns go up. Yours truly,

HOLIDAY LOCUM (17/9).

Russian Famine

SIR,—At the end of August last you very kindly published a letter from Mr. Frank Inglis, chemist, Heaton Moor, near Stockport, in which he placed before his fellow-chemists the proposal that they should devote the proceeds of their weighing-machines for one month to our fund for medical relief to the suffering Russian nation. I should like, through the medium of your valuable paper, to thank those chemists who so kindly responded to the appeal. I also wish to add that we shall still be very glad to forward cards for exhibiting on weighing-machines to any other chemists who may see this letter.

Yours faithfully,

D. ZINOVIEFF.

Chesham House, Chesham Place, London, S.W. 1.

Dispensing Difficulties and Notes

A Large Pill

SIR,—How should the following Insurance prescription be dispensed?—

Atrop. sulph.	gr. $\frac{1}{60}$
P. glycyrrh.	ʒij.
P. tragac.	ʒj.
Muc. acaciæ	q.s.

Ft. pil. Mitte xxiv.

I supplied the pills weighing 1 grain. Was this correct?

Yours truly,
F. H. N. (6/9).

[The quantity of material prescribed would make "some" pill; it is suggestive of veterinary practice. It seems to us that your procedure was quite correct, and in accordance with customary practice when dealing with small quantities of potent drugs in pill form.]

A Liquid-paraffin Mixture

SIR,—I should be glad if you could suggest a method by which the following mixture may be dispensed so as to give an inseparable emulsion without a noticeable increase in bulk:

Paraff. liq.	℥iv.
Lac. magnesiæ (Phillips) ...	℥iv.
Cascara evacuant (P., D. & Co.)	ʒij.

Misce ft. mist.

I tried diffusing pulv. acaciæ ʒij., pulv. tragac. gr. xv. in the liquid paraffin, and agitating briskly with the milk of magnesia. This gave a fair emulsion, but the addition of the cascara evacuant upset the mixture.

Yours faithfully,
D. G. S. (1/9).

[To compound this mixture in emulsion form place in a mortar 240 grains of powdered gum acacia and 30 grains of powdered tragacanth and triturate with the liquid paraffin, added gradually; then add about a fluid ounce of the milk of magnesia and cascara evacuant, previously mixed together, and incorporate thoroughly; afterwards introduce the remainder in portions, with continued stirring. This produces a thickish emulsion which does not separate to any appreciable extent. The increase in bulk is negligible.]

Salicylic Acid Lotion

SIR,—The following prescription deposits, and I should be glad if you can tell me how the precipitation can be prevented:

Resorcin	gr. c.
Ac. salicyl.	gr. c.
Liq. hyd. perchlor.	ʒj.
Sp. vini rect.	℥ij.
Glyc. boracis	ʒij.
Aq. rosæ ad	℥x.

Faithfully yours,
ALOES (31/8).

[The precipitate being salicylic acid, which the menstruum will not dissolve, the only way in which the precipitate can be overcome and the acid retained in the free state is to employ more alcohol. Probably the quantity prescribed has been ordered with the object of dissolving the acid, but it is not nearly sufficient, at least double the quantity being required, and even then the acid may crystallise out to some extent on standing. We should suggest five fluid ounces of the spirit. With all that spirit the lotion would be expensive. Methylated spirit serves all the purposes of rectified spirit for external use.]

Legal Queries

J. W. S. (7/9).—It is illegal to mix medicaments or other ingredients with tobacco and offer it for sale.

Rusticus (3/10).—Lysol is a poison in Part II. of the Poisons Schedule, and can only be sold by those legally carrying on the business of a chemist and druggist.

W. W. M. Co. (39/35).—The Registrar of Companies usually accepts as the name of a limited company any style which has not already been appropriated by existing companies. We do not understand your reference to "a retail shop registered under the Friendly Society's Act."

Esplana (8/10).—(1) The sale of the cough mixture is not affected by the Dangerous Drugs Act, as the amount of morphine it contains is well below the limits fixed in the Act. (2) Dr. Collis Browne's Chlorodyne is outside the Dangerous Drugs Act, but in selling it the conditions of Part II. of the Poisons Schedule must be observed.

J. M. E. (10/10).—Sales of diluted laudanum do not require entering in the record-books kept in accordance with the Dangerous Drugs Act. The requirements of Part II. of the Poisons Schedule must be observed, and the purchaser must be given to understand that he is not obtaining laudanum made according to the formula of the British Pharmacopœia.

A. E. A. (2/9).—Each branch of a limited company in which the business of a chemist and druggist is carried on must be managed by a qualified man whose certificate must be conspicuously exhibited on the premises. The company itself, so far as the business in poisons is concerned, must be controlled and managed by a qualified superintendent, whose name must be forwarded to the Pharmaceutical Society for registration.

Apotho (27/9).—The reply regarding the use of the place name "pharmacy" (*C. & D.*, September 24, p. 76) applies especially to Great Britain, as the test case was taken under the Pharmacy Act, 1852. The law in Ireland does not protect the designation "pharmacy," but we think that if a registered druggist used it and was prosecuted by the Pharmaceutical Society of Ireland for compounding prescriptions the fact could be used in Court to show that he was misleading the public and holding himself out as a "pharmacist," the latter title being protected.

G. W. B. (24/9).—The apparent inconsistency in the percentages of diamorphine in pastilles given on the Dangerous Drugs Act Card is thus explained. Pastillus acetomorph. (made of glycogelatin) in column 1 of the percentage table is B.P.C., and the approximate weight is given as 30 grains: $\frac{1}{20}$ gr. $\times$ 30 = 0.16 per cent. The method given under "Prescription Calculations" for calculating the percentage in lozenges, pastilles, etc., applies to pastilles as bought from the manufacturers. These are in different form, containing gum, and they weigh less, averaging, we found, 25 grains. The calculation is, then, $\frac{1}{20}$ gr. in 25 is $\frac{1}{20} \times 4 = 0.2$ per cent.

F. A. H. (5/10) is tenant of premises in a South Coast town under a lease which expires in August next. His landlord tells him he must vacate the premises at the end of the lease. Is the Increase of Rent Act, 1920, still in force, and does it protect "F. A. H." from being evicted? [The Act will remain in force (except as regards premises used only for business purposes) until June 24, 1923. If the premises in question are used for residential purposes, and the standard rent or the rateable value does not exceed £78, "F. A. H." cannot be ejected before the date mentioned except by an order of the Court made upon one of the grounds stated in the Act.]

C. F. (1/10).—(1) A body corporate may carry on the business of a chemist and druggist so far as it relates to the dispensing and sale of poisons if that part of the business is under the control and management of a qualified superintendent acting for that company only, whose name has been forwarded to the Registrar of the Pharmaceutical Society. If the company uses Pharmacy Act titles (other than "pharmaceutical chemist" and "pharmacist," which it may not use) the superintendent must be a director. If the superintendent does not conduct the business personally, a qualified assistant must be employed and his certificate of qualification exhibited in the shop. (2) It is not necessary for the qualified person's name to be given on the poison labels used by a limited company carrying on the business of a chemist and druggist.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

P. C. C. (22/9).—(1) Balsam of Aniseed.—The formula for which you ask is as follows :

Ext. glycyrrh.	℥iij.
Sem. lini	℥viij.
Pulv. tragac.	ʒj.
Sp. vini (90 per cent.) ...	℥iss.
Chloroformi	ʒij.
Ol. anisi	ʒij.
Oxy. scillæ	℥xx.
Inf. seneg. conc.	℥viij.
Tr. capsici	ʒiss.
Acet. ipecac.	℥viij.
Aq. dest. ad	℥lxxx.

(2) Balsam of Linseed, Honey, and Horehound.—

Oxy. scillæ	℥ij.
Ext. glycyrrh.	℥ss.
Chloroformi	♏xviij.
Vin. ipecac.	ʒij.
Ol. menth. pip.	♏iv.
Ol. anisi	♏iv.
Theriacæ	℥ss.
Sacch. ust.	q.s.
Muc. lini ad	℥vj.

G. W. B. (24/9).—(1) Vitamines in Powder Form.—The following dried substances contain vitamines in active quantities : Dried eggs, wheat and maize germ, wheat and maize bran, linseed, millet, dried peas, lentils, soy beans, haricot beans, germinated pulses, dried yeast. (2) The proportion of water in the curd cheese is probably the factor that determines the keeping qualities.

G. P. (7/9).—With rectified spirit at its present price we do not think a "very cheap" lavender water or eau de Cologne could be produced. Representative perfumes require spirit to hold the essential oils in solution, and there does not seem to be any really good substitute for this costly solvent.

G. W. H. (43/23).—Soap-bubbles.—Professor C. V. Boys' "Soap-bubbles, their colours and the forces which mould them" (3s.), should be useful to you for lecture purposes.

Wilts (23/9).—Knife Polish.—The following are representative formulas :

I		II	
Powdered bath-brick	60 parts	Ground blast-furnace slag ...	42 parts
Fine emery ...	48 parts	Powdered rotten-stone	7 parts
Powdered rotten-stone	32 parts	Fine emery ...	7 parts
Crocus martis ...	3 parts		

P. D. C. (10/10).—Anti-obesity Tablets.—The formula is as follows :

Pulv. rhei	gr. j.
Pulv. aloes, Barb., Ext. cascar. sag., Marienbad salt ...	aa. gr. ss.
Ext. fuci vesic.	gr. ⅓
Emul. theobrom.	q.s.

Ft. tabella.

J. E. W. (246/38).—Eczema Ointment.—The following is the formula for which you inquire :

Resorcin	2 oz.
Salicylic acid	360 gr.
Sulphur	2 oz.
Cade oil	6 dr.
Zinc oxide	710 gr.
Starch	1 lb. 4 oz.
Lanolin, 1 part ... ... } Soft paraffin, 2 parts ... }	q.s.

Almos (11/10).—Cobalt tartrate is a definite chemical compound. It is almost insoluble in water.

W. B. (9/10).—(1) Sugar Soap is a name applied to resin soap on account of its resemblance to moist sugar. It is used for household-cleaning purposes. (2) Walnut stains on the hands are best removed by applying potassium permanganate solution and then scrubbing the skin with a solution of oxalic acid. (3) Soaking the lettering on the leather trunk with turpentine would soften the paint and enable you to remove the marks, but probably traces of the letters would resist treatment and the turpentine might discolour the leather.

A. C. B. (7/10).—"Pharmaceutical Formulas" contains the best general collection of recipes for toilet articles.

J. W. (3/10).—Any vegetable oil can be used for fish-frying, but it is the cheaper kinds, such as cotton-seed oil or nut oil, which are mostly employed.

C. C. (9/9).—Skin Enamel.—This consists of moist freshly precipitated zinc oxyhydrate, slightly perfumed and containing a trace of glycerin.

Ella (17/9).—The quantity sent of the skin preparation is insufficient for analytical purposes.

J. B. (4/10).—Egg Wash used for glazing pastry is made either from white of eggs or gelatin. It is probably gelatin to which you refer. A powder form would be preferable, as this would be more readily soluble.

J. S. (20/9).—Ivory Dust is occasionally used for preparing an edible jelly, another use being for the manufacture of ivory black.

A. T. M. (22/9).—(1) Medicated Soap.—The following is the base devised some years ago by Messrs. Cowley and Catford :

Lard	100 grams
Yellow beeswax	19.2 grams
Pure caustic soda	15 grams
Alcohol (90 per cent.) ...	60 c.c.
Medicament (say, 1 per cent.)	1.8 gram

Melt the lard and the wax together; dissolve the soda in the smallest possible quantity of water and mix it with the alcohol; let the alcoholic soda stand on a water-bath in a vessel with a funnel in the neck until it is of the same temperature as the fat, then mix and stir until quite clear; pour into the mould while fluid. (2) Shaving Soap.—The base of shaving-sticks may be any good hard soap which is "milled" along with a certain proportion of soft soap and a small percentage of vegetable fat, perfumed and pressed into sticks by squeezing through moulds. Some recipes suggest the incorporation of a small quantity of tragacanth, with the idea of stabilising the lather.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," October 14, 1871

A Reform not Wanted

In his recent inaugural address at the Pharmaceutical Society Mr. Mackay ventilated an idea which has lately crept into the councils at Bloomsbury Square, and which, we believe, has won the heads and hearts of many of the magnates there. In an implied manner he advocated the separation of the educational from the examining functions of the Society, or in plainer language, suggested the desirability of an abdication on the part of the Pharmaceutical Society of that system of instruction which it has carried out so perseveringly and so thoroughly. "Be it remembered," said Mr. Mackay, "we are now recognised by Government as an examining body, *and it is certainly not unreasonable we should cease to be an educating one also.*" . . . There is needed some central institution which shall be the recognised fountain of pharmaceutical knowledge. . . . An independent college could hardly have all the opportunities enjoyed by the institution to which the Government has delegated the management of pharmacy in this country; and surely any improvement which may be considered possible for the college might be introduced now.

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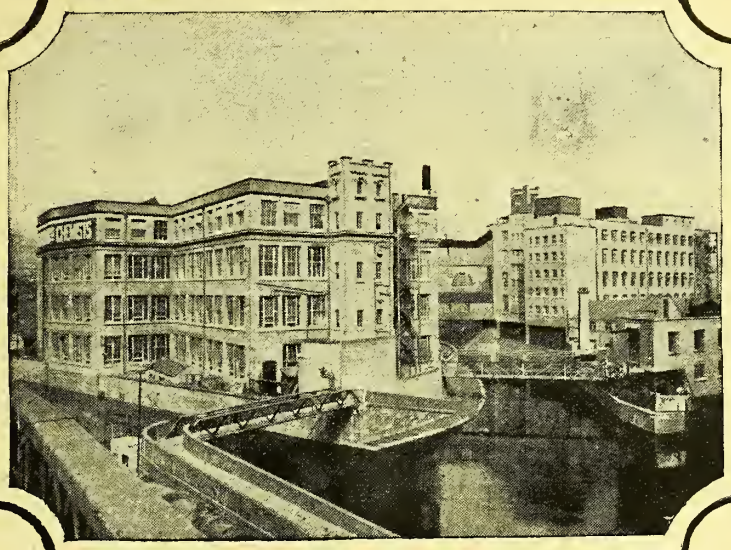

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Price **1s. 6d.**

Seven Spas Proprietary Co., Ltd.
3-9 Heddon Street - Regent Street, W. 1.

Messrs. BUTLER & CRISPE,
80-82 Clerkenwell Road, London, E.C.1,
Sole Wholesale Agents.

Antiphlogistine

TRADE MARK

SIZE.		M.R.P.	M.W.P.
5 oz.	Trial	2/-	18/-
10½ „	Small	3/-	27/-
17½ „	Medium	5/-	45/-
34½ „	Large	8/6	76/6
5 lb.	Hospital	17/6	157/6

Prices for Ireland, Channel Islands, Isle of Man: Less value of stamps, Wholesale and Retail.

For best terms, carriage paid, write to the Sole Agent—

J. F. MURPHY, 41 St. Ann's Road, LONDON, E. 3.

Liquid Paraffin, B.P.

(Browning)

This is a brilliant, water-white oil, s.g. ·890, answering fully all the B.P. requirements, and of the correct "viscosity" to secure the best results.

Answers the strictest "cold test." The finest Liquid Paraffin on the market. Always the same quality.

Samples and Prices on application.

PETROLEUM JELLIES.

Immediate delivery given of any quantity or quality. Keenly competitive prices.

Send now for Samples and Prices.

THE WM. BROWNING CO., Ltd.
Albert Street, Regent's Park, N.W.1.
Phone: Hampstead 4046 (2 lines).

THE

HUGE SALE

—still steadily increasing—of ALEXINE is due to powerful and persistent advertising, coupled with the fact that it is the *one* tonic-restorative consistently recommended by the medical profession. Thousands of jaded brain-workers buy ALEXINE. Tens of thousands of neurasthenics, nursing and expectant mothers, convalescents, sufferers from anæmia, etc. etc., buy ALEXINE regularly because it is the re-vitaliser with no bad after-effects.

ALEXINE will sell well in your district because it is the most frequently prescribed remedy for all modern ailments—neurasthenia, mental and bodily exhaustion, impotency, etc. etc.

ALEXINE

is consistently and persistently advertised in the largest-circulation periodicals in Great Britain. YOU have scores of customers who will buy ALEXINE once you tell them that you have a stock. Retails at 5/- and 10/- a bottle. Write NOW for generous terms to the Sole British Agents :—

HEPPELL'S
Chemists,
164 PICCADILLY, LONDON, W.1.

BEECHAM'S PILLS

WHOLESALE PRICES.

Beecham's Pills:

1s. 3d. size	10s. 6d.	per doz. net.
3s. 0d. „	26s. 6d.	„ „
5s. 0d. new size, contains double the quantity of 3/- box.	50s. 0d.	„ „

Beecham's Cough Pills:

1s. 3d. size	10s. 6d.	„ „
3s. 0d. „	26s. 6d.	„ „

Minimum quantity £5 value. Packages FREE. Carriage PAID. CASH WITH ORDER.

Cheques to be made payable to **THOMAS BEECHAM**, and crossed "Parr's Bank, Ld., St. Helens."

PRINTING
AT ITS BEST

Every Chemist, Manufacturing or Retail, realises the value of "Printing at its Best."

IT MEANS:

BIGGER SALES
INCREASED TURNOVER
CONTINUED SUCCESS

Full set of samples sent abroad on receipt of 10/6

Alf. HARRISON & SONS
Chemists' Printers,
224, Burley Road, Leeds.
Telephone 26674. Telegrams: 'Ideas, Leeds.'

DANGEROUS DRUGS ACT, 1920.

The Regulations applying this Act have just been issued, and we have prepared the necessary Registers.

OPIUM - Post free, **3/-**

MORPHINE, &c., &c. (COMPLETE). „ **4/-**

JAMES TOWNSEND & SONS,
Label Printers,
EXETER.
London Office: 54, Farringdon Street, E.C. 4.

IRON-OX TINY TONIC TABLETS

Change of Address.

We beg to announce that we have removed to new offices, and shall be glad if our friends will take note of our address as under:

THE IRON-OX REMEDY CO. Ltd.
16 Charles Street,
HAYMARKET, S.W. 1.

Trade Mark.

KNOWN ALL OVER THE WORLD AS THE STANDARD LIQUID PLASTER.

TRADE PRICES.

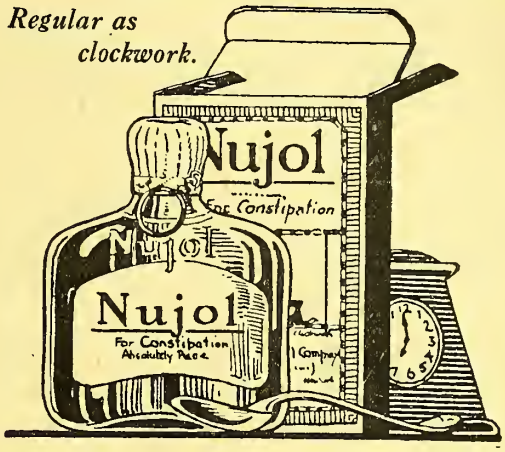
Retail Price.	Trade Price.
10½d. Pocket Size...	8 5 doz.
2/- Medium Size	19/2 ,,
3/- Physician's Size	28/9½ ,,

£3 and up Carriage paid.

Order through your wholesaler or direct.

Sole Agent for British Isles and Colonies—
J. E. GARRATT,
96 Southwark Street, London, S.E.1.

Regular as clockwork.



Harvest Big Nujol Profits the Year Round

NUJOL sells well the year round. Nujol is a big profit producer for the chemists who display and push it.

Because—

Nujol gives a good margin of profit.

Nujol ties up no capital in slow-selling sizes.

Nujol advertising covers the Country and is constantly at work making new customers for you.

Nujol sells quickly and easily.

Are you getting a big share of Nujol profits? Let our window displays and our Nujol booklets for counter distribution help to make you local headquarters for Nujol.

Send to-day for the window display and other sales helps.

Nujol

TRADE MARK

For Constipation

NUJOL Department,
Anglo-American Oil Co.,
Minerva House, Bevis Marks, London, E.C.3.

ACTUAL MANUFACTURERS.

For many years H. A. & D. TAYLOR, Ltd., have been recognised as one of the principal manufacturers of MALT EXTRACT, MALT EXTRACT WITH C.L.O. and similar products.

H. A. & D. TAYLOR, Ltd., ***offer you—***

The finest quality Extract.

Combined with the finest Norwegian C.L.O.

Best quality Amber Jars with Glass Lids.

High-Class Labels and Showcards, &c.

In Jars, Tins and other Containers, also in Bulk.

YOUR NAME AND ADDRESS ON LABELS.

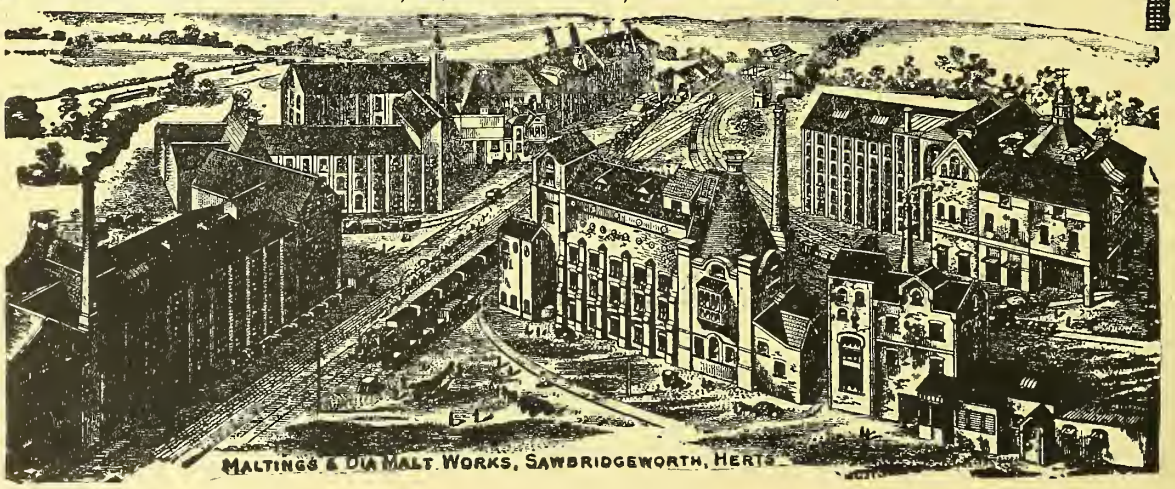
H. A. & D. TAYLOR, LTD.

(Proprietors of The British DiaMalt Company).

CITY OFFICE:
9 Holborn Viaduct, London, E.C.1.
Phone: City 1765.

LABORATORY & WORKS:
Sawbridgeworth, Herts.
Phone: No. 21.

Works at SAWBRIDGEWORTH, BISHOP'S STORTFORD, BURY ST. EDMUNDS, NEWMARKET, &c.



Important Notice To The Trade

Kindly note that, as from September 29, all orders and communications should be addressed to us as follows:—

Genatosan, Ltd.,
Regent St., Derby Rd.,
Loughborough,
Leicestershire

To this address we have transferred not only our head offices but our Penzance and London factories, packing department and warehouse, so that all will be under one roof.

Our technical and scientific advisers have planned these premises to secure the utmost efficiency both in the manufacture and the handling of our preparations; and the latest and most improved plant and machinery have been installed.

As Loughborough is almost in the centre of England, and there are three railway junctions within easy reach of our premises, we shall be very favourably placed for distribution; and milk supplies for the manufacture of Sanatogen will be even better than in Cornwall.

We deeply regret the inconvenience caused to our friends in the Trade by the recent temporary shortage of Sanatogen. This was inevitable during the transition period, but it has now been entirely overcome.

GENATOSAN, LIMITED

NEW OFFICES & FACTORIES, Regent St., Derby Rd., Loughborough, Leicestershire.

(Formerly at 12 Chenies Street, London, W.C.1.)

"Good as Gold" BABY FOOD.

TWO NEW FOODS FROM THE FAMOUS BATH SPA

"GOOD AS GOLD" Baby Food and "VALEDA" Bath Invalid Food, although comparatively new foods, have stood the test by winning an increasing and repeat demand on sheer merit alone. Manufactured in Bath under hygienic conditions by an improved scientific process and from purest ingredients, they are attractively wrapped and got up, and their distinctive feature of being "MADE IN A MINUTE" predisposes the public in their favour.

"VALEDA" Bath Invalid Food.
"GOOD AS GOLD" Baby Food.

ONE SIZE, ONE PRICE,
2/10 tins, 25/6 doz.

Showcards, leaflets, packing and carriage free to retailer. These products will be protected at face value by P.A.T.A.

Distributors:—J. C. Gambles & Co., 49 Farringdon St., London, E.C.4.
For Ireland:—Hugh Moore & Alexanders, Ltd., The Linen Hall, Dublin.

"VALEDA" REG.

Manufacturers—
AUSTEN FOODS LTD., BATH.
London Office: 3 Gerrard Street, London, W. 1.

SUGAR CHEAPER

THIS MEANS THAT

Mason's Extract of Herbs

Will be in big demand this season

and chemists are requested to replenish their stocks.

Send for Price List to

Newball & Mason
NOTTINGHAM.

VITMAR

The new vitalising food proved to contain the three principal vitamines

YOUR WHOLESALERS CAN SUPPLY YOU

Manufacturers: *Food Specialists,*
CALLARD & CO., 74 Regent St., LONDON, W. 1.

Energen

When the DOCTOR forbids his patient to eat ordinary bread, and recommends **ENERGEN GLUTEN BREAD** in the diet, **CAN YOU SUPPLY** when asked?
ENERGEN GLUTEN BREAD is recommended by the Medical profession in the treatment of DIABETES, INDIGESTION, OBESITY, GOUT, etc.

Light, crisp, delicious rolls.
Packed specially for Chemist's trade.
INQUIRIES INVITED.

The only Gluten Bread that fulfils the doctor's requirements.

The most palatable and nutritious Gluten Bread on the market. Keeps perfectly.

Chemists who can supply ENERGEN BREAD obtain a GOOD PROFIT.
THERAPEUTIC FOODS CO.
19c Roundwood Road, Willesden, N.W. 10

BOOK YOUR BULK CONTRACTS NOW.

MALT EXTRACT
MALT & COD LIVER OIL

Also in Attractive Containers, with client's own name and address.

Ask for Samples and Prices.

JEFFREYS, MILLER & CO., Ltd.
Leyland Mills, WIGAN.

YOU CANNOT BUY BETTER!

A Valuable New Food in the treatment of Anæmia

Zomogen is a new tonic and restorative food which produces rapid and beneficial results in cases of blood impoverishment. Zomogen contains all the constituents of the red blood corpuscles, together with the active vitamins of raw meat. In this way the doctor can now prescribe natural iron in its most easily assimilable form, without any risk of the gastric disturbance sometimes caused by preparations of metallic iron.

Doctors and nurses all over the country are being invited to test Zomogen for themselves at our expense. So confident are we that its merits will ensure a certain and rapidly increasing demand, that we have arranged, in order to give the public the opportunity of buying Zomogen everywhere, to *guarantee the sale* of every bottle ordered now. Before being placed on the market, Zomogen was submitted for trial to Medical Authorities of the highest standing. It has been proved to be of the greatest value in cases of Anæmia, Neurasthenia, Debility, and Marasmic conditions.

ZOMOGEN is an entirely British Product.

We undertake to buy back from you any bottles of Zomogen unsold 6 months after you have ordered them, and to buy them back at the price you paid, without any deduction whatever.

This guarantee insures you against any possible risk. Send us your order now, and you will find that Zomogen is one of the best selling and most profitable lines that you have ever handled.

Wholesale Price, 45/- per doz.
Retail Price 5/- per bottle.

ZOMOGEN
REGD TRADE MARK.

Zomogen Food Products, Ltd., 63 York Place, Edinburgh.

Wholesale Distributors—J. C. Gambles & Co., 49 Farringdon Street, London, E.C. 4.

Natural Mineral Waters

WE beg to inform the Trade that we are now regularly receiving consignments of Natural Mineral Waters from the Continent and other parts of the World.

AESCULAP
AIX - LES - BAINS (DEUX REINES)
ALET
APENTA
APOLLINARIS
BARIUM
BONNES
BOURBOULE, LA
BUFFALO-LITHIA
BUXTON
CARLSBAD
CARLSBAD SPRUDEL SALT
CHALLES
CHATEL GUYON
CHELTENHAM SPA
CONDAL
CONTREXEVILLE-PAVILLON
COULSWORTHY
EVIAN-CACHAT
FARRIS
FLITWICK
GIESSHUBLER (MATTONI)
HUNYADI JANOS
INSALUS
KREUZNACH
KRONENQUELLE
LEAMINGTON SPA
LEVICO
MALVERN (ALPHA)
MONT DORE
MONTMIRAIL
MONTREUX
NOCERA UMBRA
PELLEGRINO
PERRIER
PLOMBIERES
PLUTO
POLAND
ROYAT
RUBINAT-LLORACH
RUBINAT-SERRE
ST. BOES
ST. GALMIER
ST. MARCO
SANGEMINI
SELTERS (IN STONE JUGS)
STRETTON
SULIS
TANSAN
VALS
VICHY-CELESTINS
Do. HOPITAL
Do. GRANDE GRILLE
VITTEL
VILLACABRAS
WOODHALL SPA
WOODHALL MOTHERLYE

PRICES OF THE ABOVE QUOTED ON APPLICATION.

Any Natural Mineral Water not in stock, if procurable, can be imported to special order during the Season.

INGRAM & ROYLE, Ltd.

BANGOR WHARF, 45 BELVEDERE ROAD, LONDON, S.E.1.

Telephone: HOP 4343 (2 lines). Telegrams: "INGRAM ROYLE, WATLOO, LONDON."

LIVERPOOL, 19 South John Street.
Telephone: BANK 4528. Telegrams: "CELESTINS LIVERPOOL."

BRISTOL, Bath Bridge.
Telephone: 1113. Telegrams: "SPRUDEL BRISTOL."

(8)

HORLICK'S MALTED MILK

MADE IN ENGLAND.

The Sale of Horlick's Malted Milk —the Original—is and always has been directed through Chemists, while substitutes and imitations are often exploited through other Trades.

The Price is Protected.

Attractive advertising material for Window Display and Counter Distribution free and carriage paid on application to the Company.

HORLICK'S MALTED MILK CO.,
SLOUGH, BUCKS, ENGLAND.

Good Stocks *of* GLASS BOTTLES

ARE NOW HELD BY

THE AMALGAMATED GLASS BOTTLE WORKS, LTD.

(YOULDON WORKS, *Established 1840*).

TREBY STREET, MILE END, LONDON, E. 3.

Telegraphic Address: "Youldon, Bowbur, London." Telephone: East 132.

Petroleum Jelly

White, Cream White, and Amber B.P. Petroleum Jellies; also Technical Jellies, White, Cream White, Amber, Red, etc.

In original barrels, 1-lb., 5-lb., and 10-lb. tins, and 1-oz., 2-oz., and 4-oz. jars and tins.

HERTZ & CO., 9 Mincing Lane, E.C.3

Established 1878.

Phone: 10607 Central. Telegrams: "Freshness London." [8]

FREDK. FINK & CO.,

10 & 11 MINCING LANE, LONDON, E.C. 3.

SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

THIN WHITE, 12-oz.

TOILET ROLLS

50/- per gross.

Carriage forward. *Large stocks in various qualities.*

JOHN GOSHERON & CO.

1 & 3 Golden Lane, E.C.1.

PRELIMINARY EXAMINATION for PHARMACEUTICAL STUDENTS

The College of Preceptors holds Preliminary Examinations in March, June, September, and December. All the Examinations are held in London, Aberdeen, Birmingham, Blackburn, Bristol, Cardiff, Edinburgh, Glasgow, Leeds, Liverpool, Manchester, Newcastle-on-Tyne, and Nottingham. For the June and December Examinations there are other Centres, including Blackpool, Brighton, Carmarthen, Cheltenham, Croydon, Exeter, Margate, Plymouth, Portsmouth, Sheffield, Southampton, Southend, Southport, Sunderland, Weston-super-Mare, and York. For Regulations apply to the Secretary, College of Preceptors, Bloomsbury Square, London, W.C.

BLACK AND WHITE BRAND

A Specialty of

TUCKMAR'S World-Renowned RAZORS.

Obtainable only from—

WM. LUND & SON, 7 WHITTINGTON AVENUE, E.C.3.
JAMES FARQUHARSON & SONS, 59-64 HOUNDSDITCH, E.1.
HENRY HOBSON & SONS, 67 HOUNDSDITCH, E.1.
HYMAN A. ABRAHAMS & SONS, 30 ST. BRIDE STREET, E.C.4.

Or from the Sole Agent: **ADOLPHE SÉGALLA, 12 Alexander St., Bayswater, W.2**

The RICE Patent ELASTIC TRUSSES

ADJUSTABLE. INTERCHANGEABLE PARTS.

PADS, Hard or Soft. Illustrated Catalogue Free.

Wm. S. RICE, Ltd., 8/9 Stonecutter St., E.C. 4

Telephone: Holborn 466.
Telegrams: "Ricevendo, Fleet, London."

ALL CHEMISTS SHOULD STOCK ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 years' Reputation.

"Abdine" is the most popular Health Drink, superior to all Mineral Waters. The Original and only genuine Fruit Drink.

Reduced Price List can be had on application.

DUNCAN McGLASHAN, LTD., ABDINE WORKS, WESTFIELD ROAD, EDINBURGH

CACHETS "FINOT"

(White or Coloured).

With inscriptions in any desired tint; also Plain or Embossed.

"A distinction all their own."—*C. & D.*
"Perfection of Cachets."—*Lancet.*

These Cachets are especially adapted for Headache, Neuralgia and other powders.

COOPER, SON & CO., Ltd., 8D Gloucester Road, SOUTH KENSINGTON.
In 17 Sizes to fit the various types of Cachet Machines.

For GUARANTEED

ATOMIZERS and SPRAYS

THE DEVILBISS CO., LIMITED

WEST DRAYTON, MIDDLESEX.

SHADEINE

FOR COLOURING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses. Trial Size 8d., per post 11d. 1/4 size, per post 1/8; 2/6 size, per post 2/11; 3/9 size, per post 4/6; 6d. size, 6/- doz.; 1/4 size 12/- doz.; 2/6 size 24/- doz.; 3/9 size, 36/- doz.

THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.

ON A POSTCARD JUST PUT "T"

and by return will come along a sample and full particulars of the proved proposition that means more business *daily* for the enterprising chemist. It never fails!

Thos. Christy & Co.,
4/12 Old Swan Lane, E.C.4.

BRINGS YOU IN A CERTAIN WEEKLY INCOME.

PYSHAN-POINTS TEA

Bovril Bonus Scheme

THE current Trade Bonus Scheme runs from 1st March, 1921, to 28th February, 1922, covering all purchases of Bovril and Invalid Bovril at List Prices made between these dates.

Customers who wish to participate, but have not yet intimated their intention to do so, should *at once* write to the Company for full particulars and an entry card.

Window bills for display in connection with the scheme have been posted to all retailers who participated in last scheme. It is expected these will be displayed immediately after receipt.

The demand for Bovril is still steadily increasing, and Retailers are advised to place early orders for stock for the coming Winter.

BOVRIL

BOVRIL, LTD., 148-166, Old Street, City Road, London, E.C.

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.
LIVERPOOL - LONDON - MANCHESTER - LEEDS.

SALVO PETROLIA
The Perfection of Petroleum Jelly
MANUFACTURED SOLELY BY
THE DEE OIL COMPANY, Ltd.
DELTA WORKS, BOOTLE, LIVERPOOL.
Packed in barrels, kegs and smaller packages according to requirements.
Other Grades
PETROLEUM JELLIES, WHITE BASES, ETC.
Samples and prices on application.
"OLEUM DEELINÆ," a certain cure for Eczema.
Phone: 186 Bootle. *Wires: "Cestrian Liverpool."*

REAL SILVER LEAF
As supplied for many years to the leading Houses for Pills, Cachous, &c.
We also supply
GOLD LEAF AND GOLD POWDERS
WHOLESALE ONLY.
E. WINTER & CO., LTD.
Head Office: 64 Cheapside, London, E.C. 2.
TELEPHONE: Central 985.

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE PRODUCED
IS MANUFACTURED BY
THE PHARMACEUTICAL LANOLINE CO.
Carnwath Road, Fulham, London, S.W.6.
Telephone: Putney 42. WHO INVITE INQUIRIES. Telegrams: "Batapo, Walgreen, London."

LLOYDS BANK LIMITED.

Chairman:
Sir RICHARD V. VASSAR-SMITH, Bt.

Deputy-Chairman:
J. W. BEAUMONT PEASE.

Head Office: 71, LOMBARD ST., E.C. 3.

(30th June, 1921.)

Capital Subscribed	£71,864,780
Capital paid up	14,372,956
Reserve Fund	10,000,000
Deposits, &c.	341,985,555
Advances, &c.	140,306,471

THIS BANK HAS 1,600 OFFICES IN ENGLAND AND WALES.

AFFILIATED BANKS:
THE NATIONAL BANK OF SCOTLAND LIMITED.
LONDON AND RIVER PLATE BANK, LIMITED.
AUXILIARY:
LLOYDS AND NATIONAL PROVINCIAL FOREIGN BANK LTD.

LIQUID PARAFFIN
PETROLEUM JELLIES
WHITE OILS PARAFFIN WAX

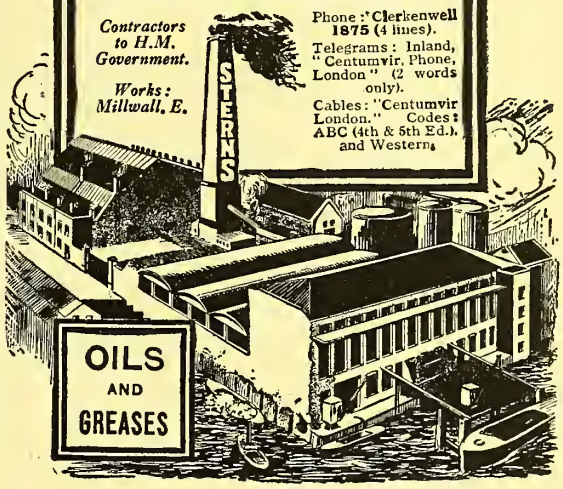
STERNS Limited,

Oil Refiners, Grease and Petroleum Jelly Manufacturers,
80 Royal London House,
Finsbury Square, London, E.C. 2.

Contractors to H.M. Government.

Works: Millwall, E.

Phone: "Clerkenwell 1875 (4 lines).
Telegrams: Inland, "Centumvir, Phone, London" (2 words only).
Cables: "Centumvir London." Codes: ABC (4th & 5th Ed.), and Western.



Established over a Century.

SAMUEL THORNLEY, LTD.

WHOLESALE DRUGGISTS AND DRYSALTERS, OIL IMPORTERS, GREASE AND VARNISH MANUFACTURERS.

Members of the Methylating Company, Limited.

Telephone: 1271 Central (3 lines).
Telegrams: "TURPS B'HAM."

Head Office:
6 Snow Hill, BIRMINGHAM.
Works - - - Slaney Street, Wharf Street.

Branches:
GOSTA GREEN.
GOOCH STREET.
DERITEND.
JOHN BRIGHT STREET.

PETROLEUM JELLY.

Gough, Kidston & Co.

Chemical Manufacturers,
Tanning & Dyewood Materials & Extracts,
Gum & Wax Merchants,

Tel. No.: Avenue 8057. (2 lines).
Tel. Add.: "Kidstonism, Bilgate, London."

43/45 Gt. Tower Street, London, E.C.3.

Works: BERMONDSEY.
Tel. No.: Hop 2029.

Careful Mothers insist on the NESTLÉ FEEDER

The superiority of the Nestlé Feeding Bottle is so obvious that doctors are advising it, nurses are recommending it and mothers insist on having it. Nothing is good enough for their little ones but a bottle which is perfect in hygienic construction; which cannot possibly harbour dirt or disease germs and which ensures that the food is taken without undue effort or excessive air.

Nestlé's Feeding Bottle is constructed throughout on scientific principles, it is impossible for the child to detach the teat and rubber valve which automatically cling and are made from pure plantation rubber. Colic is prevented because the flow of air behind the milk is systematically regulated. The feeder, made of virgin glass, can be tilted to and will remain at any desired angle. Its capacity is 10-oz., and every part, including the box, is thoroughly sterilized before leaving the factory.

NESTLÉ Feeding Bottle

the Cheapest full-sized Feeding Bottle on the Market.

Easy to sell; brings good profit and rapid turnover. Write to-day for full details and current trade price list.

NESTLÉ'S (Advert. Dept.),
6-8 EASTCHEAP, LONDON, E.C. 3.

HOT WATER BOTTLES

Heavy English Make.

(Fitted with patent steam outlet valve to avoid danger in filling.)

SIZES	6×8	6×10	8×10	8×12	10×12
APPROX. WEIGHT	9 oz.	10 oz.	11½ oz.	12½ oz.	15 oz.
PRICE EACH	3/9	4/2	4/9	5/2	6/-
GREY PLUSH COVERS	1/5	1/8	2/-	2/2	2/10

THOS. SWALES

20-24 BUTTS COURT
& 89 ALBION STREET
LEEDS

SAYERS, SILCOX, CUZNER & Co. Ltd.

HULL.

THE

TRUSS

MAKERS

ARE ALSO MAKERS OF

BELTS, CORSETS
SUSPENSORY BANDAGES
CHEST EXPANDERS
CHEST PROTECTORS
PNEUMONIA JACKETS
WRIST - STRAPS
FINGER-STALLS

and all similar articles.

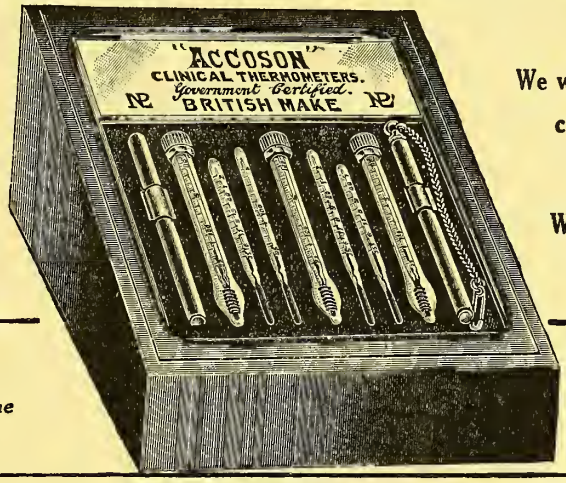
LOWEST PRICES.
IMMEDIATE DELIVERY.

A. C. COSSOR & SON

(ESTABLISHED 1859)

CLINICAL THERMOMETERS

Thermometers,
Hydrometers,
Sphygmo-manometers,
Syringes
of every description.



We want to place this show-case on your counter, free of charge.

Write for Catalogue

Original Patentees of the "Easy-Set" Clinical Thermometer.

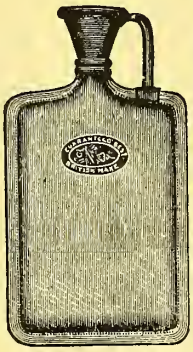
"ACCOSON" WORKS, VALE ROAD, LONDON, N.4.

Telephone: 1880 Tottenham. *Telegrams:* "Fracosson, Phone, London." (3)

YOUR ENQUIRIES SOLICITED FOR OUR

GUARANTEED

HOT WATER BOTTLES



OWN NAME
(IF REQUIRED)
ON LOTS OF 3 DOZENS.

ARTHUR BERTON, Limited,

15-17, WORSHIP STREET, LONDON, E.C.2.
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13 dozen packets with advertising matter, **22/-**; less **2½%** (**£1 . 1 . 5** net). Cash with Order.

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(The World-Famous Corn Remover.)

"Gets-It" is a liquid which dries at once when applied to corns or calluses with the glass applicator that accompanies each bottle. Stops pain at once and soon loosens the corn or callus so that it can be lifted right off.

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Now Distributed in Great Britain through

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Manufactured by E. LAWRENCE & CO., Chicago, U.S.A.

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THE "EMPIRE" BRAND

If you wish to keep up your reputation for reliable quality, you must continue to stock our **"EMPIRE"** brand of **Hot-Water Bottles.** Do not risk trying an unknown make.

One quality only—the Best. Guaranteed for two years. Prices as follows:

Sizes: inches	6×8	6½×10	6×12	8×10	8×12	8×14	10×12	10×14
Each	3/9	4/2	4/6	4/9	5/3	5/9	6/-	6/6

Each Bottle in a strong paper bag, with directions for use.

HOT-WATER BOTTLE COVERS. Scarlet or Grey Plush.

Sizes: inches	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
Each	1/5	1/8	1/10	2/-	2/2	2/8	2/10	3/3

MUFF WARMER. Drab Rubber, 4×6 in. Each 2/-

A discount of 5 % for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for illustrated PRICE LIST, post free for the asking.

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Has no rival on the market, is well advertised, pays a good profit, quality guaranteed. The MARVEL is returnable for exchange if found defective and reported promptly.

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The REPELLO requires no shaking down

A 30-second pushed back in an instant.

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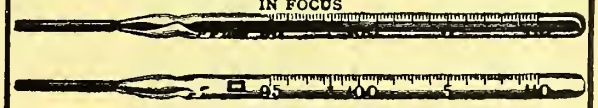
The only Easy Reading Magnifying Clinical on the Market



The square mark engraved on lens front locates the Mercury column immediately.
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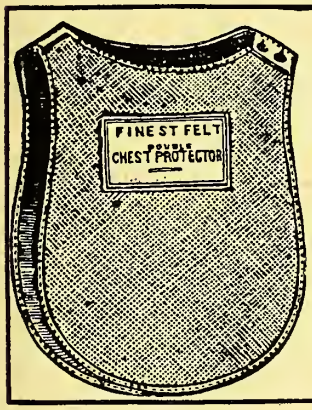

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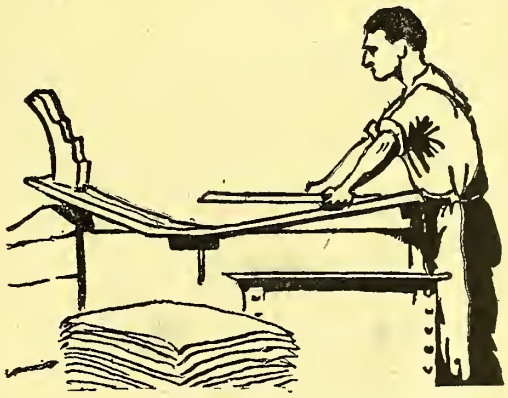

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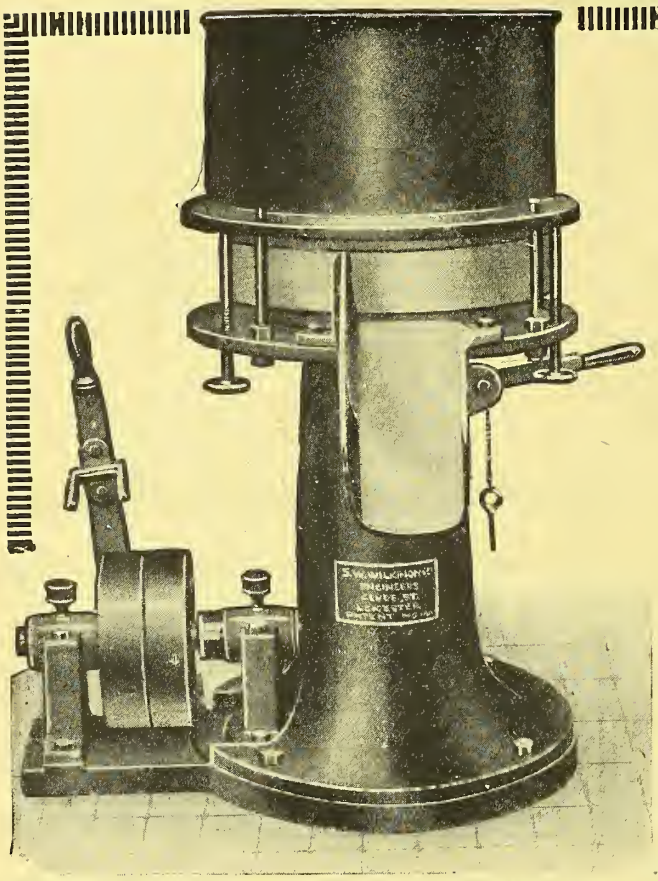

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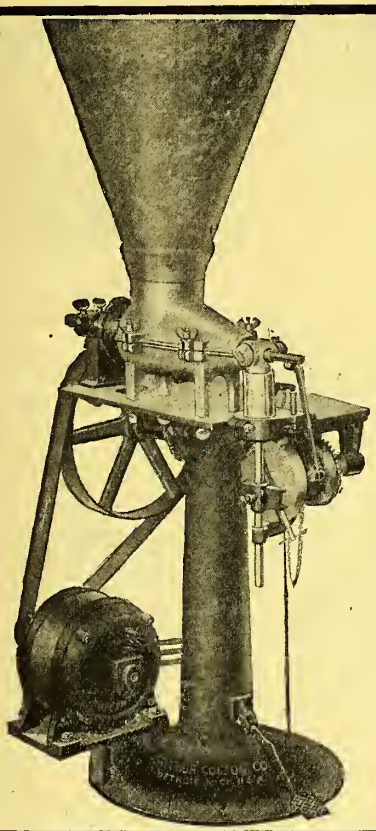

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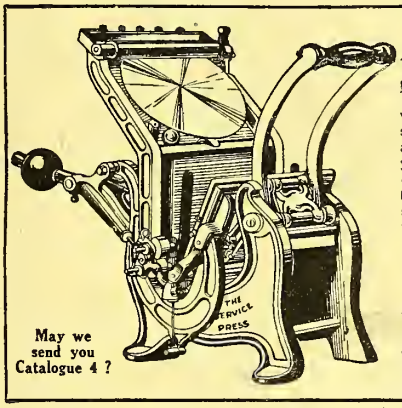

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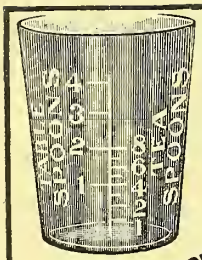

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ADVERTISE YOUR BUSINESS. IT WILL PAY YOU!

Best Medicine Glass Value in the World.

NO CHARGE for NAME PLATES up to 36 Letters.

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3 dozen with Chemist's Own Name	9/2	per dozen
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All Carriage Paid (U.K.). packages free. Cash with Order 10% discount. 5% one month prompt, 3 months net.

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What Is It?

CELLOPHANE

is a transparent film of pure Cellulose, **absolutely** air, grease, and odour proof, **unaffected** by cold, heat or moisture, and **sterilisable.**

An **ideal wrapping** for Drugs, Tablets, Bath Crystals, Perfumery, Provisions, Sweets, Surgical Dressings, Articles of Toilet, &c. &c.

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Cello-Dressings—The best substitutes for Gutta Percha and Oiled Silk. Ask for explanatory circular.

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The VISCOSE Development Co., Ltd.
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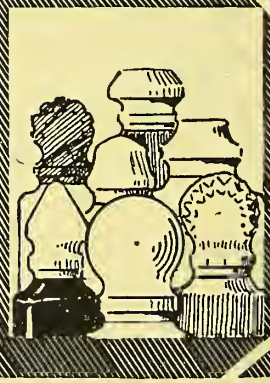

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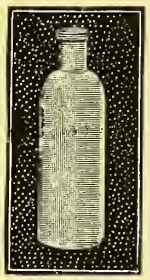
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Bottles, Jars, Chemical and Laboratory Glassware in immense variety.

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For use in the Home or Hospital.

Invaluable for prevention of Infectious Diseases.

For Perfuming Apartments.

Instantly removes all unpleasant smells from Cooking, etc.

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OF THE BEST POCKET LAMP REFILLS

The A.J.W. RED LABEL ... 7/- doz.
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Just sprinkle—then dance.

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Have replaced the old "Willow" boxes—Greaseproof—the bottoms cannot fall out.

GERMAN "WILLOW" BOXES are again being offered at lower prices, but these boxes will not hold Powders, nor, in warm weather, Ointments.

THEY ARE DEAR AT ANY PRICE.

Stick to the ONE-PIECE principle

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which easily surpasses Aluminium for

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The Prices are just as attractive.

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of every description—for every trade. A large assortment of lacquered and decorated tins in stock, suitable for Health Salts, Ointments, Brilliantines, &c.

MUST BE CLEARED REGARDLESS OF COST.

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SELF-CLEANER.
When the Mouthpiece is removed all foulness is automatically cleared.

Assorted Shapes and Sizes to sell at 3/6 each.
Send postcard for sample dozen.

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Est. 1898. Manufacturers of Briar Pipes and Smokers' Articles,
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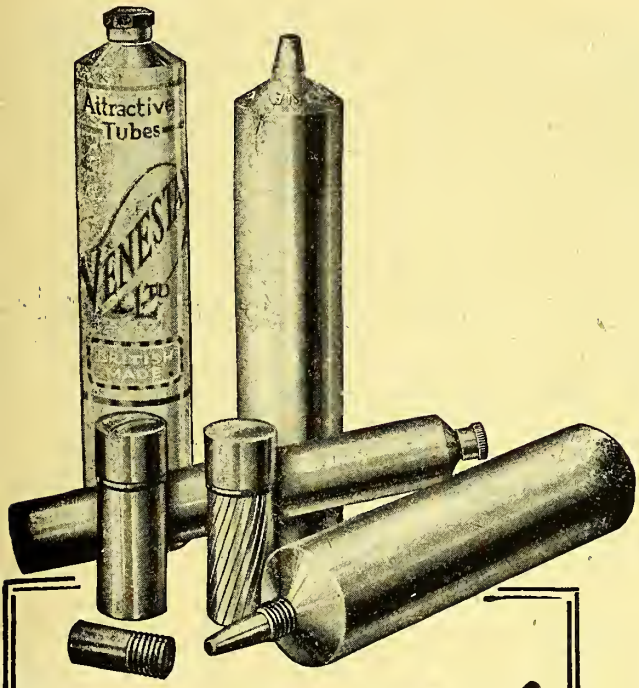

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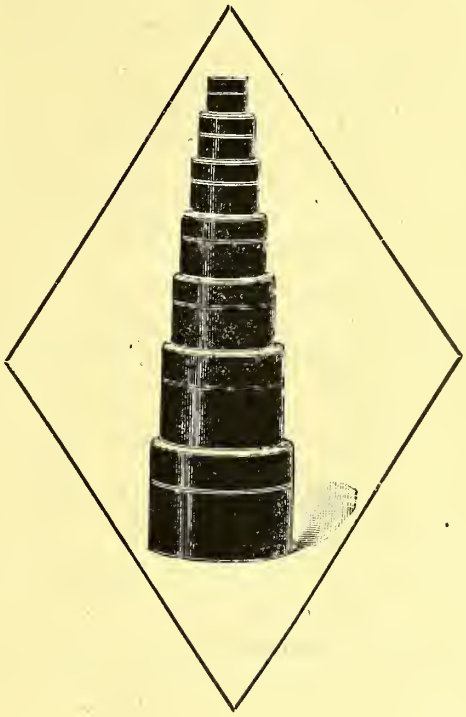

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Supply Thermometers of **THEIR OWN MANUFACTURE ONLY.**

DON'T forget that the N.P.L. testing has not made all Clinical Thermometers equal—and that Powell's Thermometer Co. are the Sole Makers of those two pre-eminent varieties, the "Double-Easy" and the "V.O.S."

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MANY SUCCESSES IN THE RECENT EXAMINATIONS!

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PRACTICAL WORK. Students taking the Course may receive personal tuition in the practical work AT ANY TIME DURING THE COURSE.

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64 High Street - - - - BARNET.

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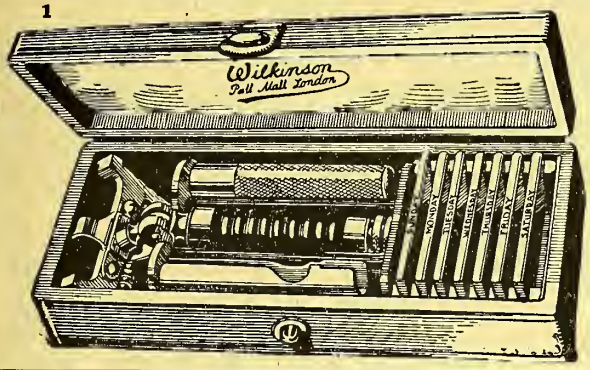

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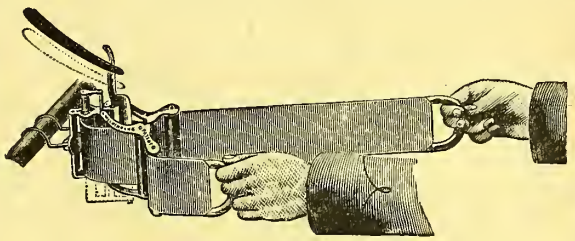

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For stropping ordinary Hollow Ground Razors, is the most effective on the market; it gives the heel to toe movement that is only attained by the skilled barber.

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Are renowned throughout the world; ask for particulars of their well-known brands—the "Wilkinson Special," "W. and CROWN" a d "LANCE."

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Wilkinson's Pruners, the excellency of the all-important cutting edges is assured by the use of their World-famous Sword Steel.

"Plucca" Pruners are manufactured by the Wilkinson Sword Company, at their Acton Works; the only combined Pruner and Fruit and Flower gatherer on the market; **it cuts and holds.**

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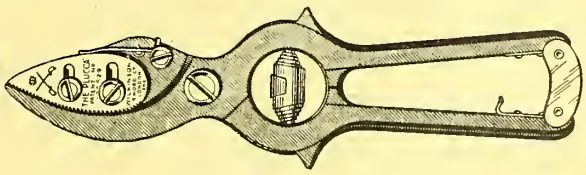

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The Veterinary Chemical Works,
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ESTABLISHED 1839

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From GARDINER & CO.

We supply protective overalls in any colour or style required. They are made by experienced hands for all branches of the Chemical trade.

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Sizes 34, 36, 38, 40, 42 and 44 inches over waistcoat.
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I solicit your enquiries for MEDICAL FLATS in all sizes, plain and graduated, MEXICANS, POISONS, KALIS, LIMES, VIALS, CANNONS, OVALS, BRILLIANTINES, in all shapes, SCREW JARS, TABLET BOTTLES, etc. etc. All bottles used in perfumery and chemist trades. Special shapes made. Wholesale quantities only.

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THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C.4

OCTOBER 15, 1921

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

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Businesses Wanted and for Disposal, Premises to Let, Goods and Shopfittings for Sale, and Agencies: 6/- for **50** words; every additional **10** words or less, **6d.**

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In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, **at a charge of 1/- extra** for each advertisement.

PAYMENT.

All Advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C.4.

Telephone: Central 3617 (3 lines). Telegrams: "Chemicus, Cannon, London" (2 words).

EARLIER CLOSING FOR PRESS.

Will advertisers please note that until further notice it will be necessary that Advertisements intended for the Supplement must reach us not later than the FIRST POST THURSDAY MORNING.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.E.—General Retail, Dispensing, and Photographic Business; returns, under management, £65 weekly; *net profit* 25%; double-fronted corner shop, well fitted and fully stocked; estimated value of stock and fixtures, £1,700; 8-roomed house; rent £70; held on lease; price £2,400, or valuation terms entertained.

2.—WEST END (Central Position).—General Retail and Dispensing Business; returns between £3,500 and £3,600 per annum; *net profit about* £1,000; lock-up shop; held on lease; further details on application.

3.—LONDON, W.—General Retail Business, with N.H.I. Dispensing; returns, under management, between £30 and £40 weekly; lock-up shop; held on lease at a rental of £35 per annum inclusive; further details on application.

4.—LONDON, E.—Unopposed General Retail Business, returning £15-£17 weekly; scope for considerable increase under energetic management; good house and garden; long lease, low rent; price £600.

5.—CLAPHAM (near).—Good medium-class Cash Retail Business; gross receipts last year approached £2,000, under management; capable of further increase in the hands of an energetic man; single-fronted shop; new lease; no near opposition; price £800.

6.—LONDON, S.E.—Cash Retail Business, situate in busy main thoroughfare; returns £1,700, at good prices; excellent opening for extension under qualified management; lock-up shop; held on long lease; further particulars on application.

7.—ESSEX (Suburban).—General Retail and Prescribing Business, with excellent opening for N.H.I.; returns last year, £2,000; *net profit* 25%; comfortable residence; double-fronted shop, well fitted and fully stocked; price for the business, £500; property must also be purchased.

8.—SOUTH COAST.—Old-established high-class Retail and Dispensing Business, situate in a leading thoroughfare in the centre of the town; gross receipts £5,000, with scope for development; well-appointed shop and premises; held on long lease; intending investors with £3,500 at command will find this a sound investment.

9.—SOUTH-WEST COAST.—Old-established General Retail and Dispensing Business; returns last year £2,300; present rate more; *net profit* 25%; handsome, well-fitted shop, fully stocked; price £1,800.

10.—LANCASHIRE (Borders of).—Light Cash Retail Business; returns between £3,500 and £4,000, at good prices; single-fronted shop; modern fittings; amply stocked; held on lease at low rent; further details on application.

11.—SCOTLAND (North-East Coast).—Old-established General Retail and Prescribing Business; returns, present rate, £40 per week, at good prices; double-fronted shop; stock and fixtures estimated by vendor at between £700 and £750; low rent; held on lease; price £1,000.

12.—WEST OF ENGLAND.—Dispensing and General Retail Business; good opening for Photographic; established over 100 years; returns £2,300, increasing; *net profit exceeds* £600; double-fronted shop; convenient house; 19 years' lease at moderate rental; price £2,000, or offer entertained.

13.—EAST COAST.—Old-established Business, Retail and Dispensing; returns between £2,000 and £2,500, increasing; *profits good*; there is a residence, with garden, bathroom; held on lease; price about £2,000.

14.—CHESHIRE.—General Retail Business, returning £2,000 per annum, at usual prices; small house; satisfactory reason for disposal; price about £1,000; bankers' reference required.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a perodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties and make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

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BERDOE & FISH are anxiously seeking, on behalf of applicants, good sound businesses up to £3,000 cash, and will be glad to hear from owners wishing to sell, or to advise those contemplating same.

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As pioneers in bringing before Chemists the importance of stocktaking in connection with Income Tax, we again call the attention of those who have not yet availed themselves of our services, that with the continual fall in prices it will more than pay them to let us properly value their stocks. Our fees are low, and with our efficient expert staff we guarantee not to disturb the routine of business in the slightest. Please write for terms. We are now booking dates for October and November.

ESTABLISHED 1870.

The Association of Manufacturing Chemists

— LIMITED —

Head Offices—26/28 Kimberley House, Holborn Viaduct, London, E.C.1

(and at 2 Bixteth Street, Liverpool).

PARKIN S. BOOTH, *Accountant & Valuer.*

PHONE: CITY 6942.

Stocktaking and Valuations for all purposes undertaken upon Reasonable Terms.

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1.—NORTH-WEST SEASIDE TOWN.—An exceptionally good Business, in prominent position of large town; returns £4,500 per annum; handsome shop, and large house attached; also Wholesale Photographic connection; price about £5,500, which includes 990 years' leasehold property; profits estimated at abont £1,300 per annum, and stock valued at £1,800-£2,000.

2.—LONDON, E.—General Retail and Dispensing; returns about £800 per annum, at good profits; premises held on long lease at £30 per annum. rising in 1922 to £42 per annum; part dwelling accommodation let off at £39 per annum; price £650 or near offer.

3.—HUNTINGDONSHIRE.—Very nice old-established Country Business, with turnover about £1,200 per annum; well stocked and fitted pharmacy; price £1,000, which includes Freehold Property.

4.—MIDDLESEX.—Pleasant London suburb; good-class Retail and Dispensing Business, held on good lease at rental of £75 per annum; cash takings about £60 per week; old established; large house attached; no Photo or Optics, but excellent scope for same; nicely fitted and well stocked.

5.—Wholesale Business, dealing chiefly in Toilet Specialities; established four years; excellent connections; good turnover; factory 3,000 square feet, with house adjoining; held on lease of 21 years; fullest investigation invited; balance sheets can be inspected; fullest particulars on application.

PARSON C. BAKER, Ph.C., M.P.S.

WM. ROOKE ROBERTS, M.P.S., F.S.M.C.

174 VICTORIA ST., S.W. 1. Tel.: Victoria 27.

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Recommended by The British Drug Houses, Ltd., etc.

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CHARLES C. MARSDEN

Valuer, Transfer Agent & Stocktaker,

44 Sholebroke View, Chapeltown Road, Leeds.

Special Terms for Stocktaking and Pricing of Chemists' own Stock Sheets.

All Valuations have the personal attention of C. C. Marsden.

ERNEST J. GEORGE

EXPERT CHEMISTS' VALUER, STOCKTAKER AND TRANSFER AGENT

IF STOCK TAKEN BY YOURSELF REMAINS UNPRICED I CAN COMPLETE THE WORK FOR YOU AT A VERY MODERATE CHARGE.

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LIMITED

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We invite enquiries relative to **STOCKTAKING** for Balance Sheet and Income Tax purposes, also for valuations for **PROBATE** and **TRANSFER OF BUSINESSES.**

Special Terms for Annual Stocktakings.

SALES BY AUCTION.

WITH VACANT POSSESSION ON COMPLETION.

KIMBOLTON, Huntingdonshire.—Sale of valuable Freehold Business Premises, with comfortable Dwelling-house attached, centrally and well situate, fronting the High Street, and for many years occupied for the business of a Chemist, Druggist, and Optician, by Auction by S. V. EKINS, at the "Cross Keys" Hotel, St. Neots, on Thursday next, 20th October, 1921, at 4 o'clock.

Cards to view and full particulars may be obtained of S. V. Ekins, F.A.I., Auctioneer, Valuer, etc., St. Neots, Hunts (Tel. 20), or of Messrs. Wade-Gery & Brackenbury, Solicitors, St. Neots.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

LONDON, N.—Sound Cash Retail, Dispensing, and Photographic Business for sale; also N.H.I.; established over 40 years; present returns about £3,000; house above shop; busy middle-class neighbourhood; open to every investigation; £2,500 for quick sale; only cash buyers need apply; bankers' references required. "Quinine" (247/6), Office of this Paper.

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SURREY.—Good-class Retail and Dispensing Business; returns last year £2,700 at good profits; long lease at low rent; well-fitted shop and good stock; good house and accommodation; opening for Optics and Dentistry; references required; full particulars available. Apply 245/20, Office of this Paper.

YORKSHIRE (WEST RIDING).—For disposal, old-established Wholesale Druggist's Business; own packed specialities constantly supplied to Grocers, Herbalists, and General Dealers; good time to buy; stock low. Write, in confidence, 244/13, Office of this Paper.

CHEMIST'S Cash Business; few miles from Manchester; turnover £3,250; rent £50, rates low; cash required £1,600, or near offer. For particulars apply Nicholson, 12 Whitby Road, Fallowfield, Manchester.

DRUG Store, thickly populated part of East London; well stocked; shop and parlour; cheap rent; takings £14-£16 weekly under unqualified female management; could easily be doubled; excellent facilities for Dispensing; greatly neglected through private circumstances; good reason for selling; price £600 all at, or nearest offer. Apply 246/2, Office of this Paper.

FOR Sale, Chemist and Druggist Business, in populous and industrial part of Monmouthshire; very small capital required; lock-up shop; death of owner sole reason; suit beginner Apply C. Thomas, Solicitor, Newbridge, Mon.

BUSINESSES WANTED.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

SHEFFIELD.—Advertiser wishes to purchase a good Business in Sheffield; neglected one not objected to, if scope for increase; small house attached; cash payment up to £1,000; would wait till spring if necessary. Reply to "Aspirin," 139 Gullibardine Road, Banner Cross, Sheffield.

SOUTH COAST OR SOUTHERN COUNTIES.—Small Retail Business required; full particulars and price; replies treated in confidence. Apply 245/39, Office of this Paper.

A GENUINE Business (Retail) wanted in fairly pleasant neighbourhood, with turnover of £2,000-£3,000; cash available, and references given. Reply, in confidence, "Immediate," c/o Messrs. Wright, Layman & Umney, 44 Southwark Street, London, S.E. 1.

BUSINESS wanted, with living accommodation; must bear strictest investigation; cash available, about £1,400. Full particulars, in confidence, to 247/4, Office of this Paper.

CHEMIST requires good Business, preferably in a country town; cash available about £2,000; please give full particulars. Replies, treated confidentially, 247/27, Office of this Paper.

WANTED, genuine Chemist's Business, in country or healthy locality; net profit not less than £500; good living accommodation essential; cash available; full particulars requested, in confidence. F. C. Page, Blaby Road, Enderby, Leicester.

AGENCIES.

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A GENTLEMAN calling on Chemists could introduce one or two more selling lines. Address offers and terms in first place to P.C.B. 48/17, Office of this Paper.

GENTLEMAN, leaving for the United States and Canada, with experience in both countries, would be glad to undertake Agencies on commission for Wholesale firms. Reply, stating lines and if already represented, to P.C.B. 48/16, Office of this Paper.

OCHRE.—Important French Ochre Factory, Ferric Minium, Sienna Earths, requires well-established Representatives in England, Dominions, and Colonies. Write to R. Monhard, 3 Quai de Retz, Lyons, France.

FOR SALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

MIDLANDS.—Chemist's Stock and Fixtures for Sale; suit beginner; £175. Write, 247/39, Office of this Paper.

BOTTLES For sale; Amber, W.M., plain, round shoulders, good quality; about 10 doz. 450-c.c., 28 doz. 1-litre, 3 doz. 1½-litre, 6 doz. 2½-litre; inspection and offers invited. W. Edwards & Co., 8a Allendale Road, Selborne Road, Denmark Hill, S.E. (3 minutes from Camberwell Green.)

FOR Sale, Bottles, Gold Label Shop Round, Carboys, assorted; from discontinued branch. Details on application, Davies & John, Bath.

SIX W. quarts Park Davis's Syr. Trifolium, 16 doz. Keene's Corn Cure, 3 doz. small and 1½ doz. large Cleaver's Hair Tonic; what offers? Apply 243/30, Office of this Paper.

SIZE "A" Gardiner's Mixer, with spare Sieve, for Sale; in working order; £10; will exchange for small Emulsion-making Machine. Write 248/8, Office of this Paper.

PARTNERSHIPS.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

ADVERTISER, 30 years' experience, seeks Directorship in firm of Export Druggists; can invest up to £15,000. Write P.C.B. 47/31, Office of this Paper

PREMISES FOR SALE.

21 YEARS' Lease for Sale; shop now being completed and fitted, fixtures, shop rounds, etc.; 10 minutes from Liverpool Street, in busy main road; commodious; 3 upper floors can be sublet; unique opportunity; sound reasons for transfer. Replies, in confidence, 248/12, Office of this Paper.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BOLTON Co-operative Society, Ltd., require a lady Assistant with Counter experience; a Forewoman with Packing-room experience, and a Porter used to Drug trade. State full particulars in first letter to the Society's Chemist, 39-41 Market Street, Bolton.

EALING, W.—Assistant required; reliable; single; outdoors; good Dispenser, obliging Counterman, well up in Photography; no Sunday or Bank Holiday duty. Apply, giving full particulars of experience and salary required, to J. T. Brown, 66 Broadway, Ealing, W. 5.

LEEDS.—Elderly qualified man, principally as cover for small private limited company; easy duties; salary must be moderate. References to L. V. Mann, Claro Road, Leeds.

LEEDS.—Junior Assistant (male or female); quick, accurate Dispenser (chiefly N.H.I.); local preferred; hours 8.30 to 8 p.m.; state age, experience, and salary required; applications not answered in three days declined with thanks. Apply 246/9, Office of this Paper.

LONDON, N.—Qualified Assistant wanted for brisk Retail and Dispensing business. Please state age, height, experience, references, salary required, and when disengaged in first letter, or apply personally (applications not replied to in four days declined), Bishop & Vincent, 460 Holloway Road, N. 7.

LONDON, N.—Qualified Manager required for middle-class Family Business; good Window-dresser and knowledge of Photography essential; full particulars, stating experience, age, height, photo, if possible, and salary required; one seeking permanency preferred. Apply 246/36, Office of this Paper.

LONDON, N.W.—Required, experienced young lady Assistant; capable Dispenser, with Counter experience. Apply, giving full particulars and salary required, to D. Edgar Davies, 59 Dudden Hill Lane, Willesden, N.W.

LONDON, S.E.—Wanted, a capable Assistant; unqualified; outdoors; permanency; a good Counterman, knowledge of Photography; also a Junior Assistant; state full particulars, age, experience, salary required, and when disengaged. Apply 34/43, Office of this Paper.

MANCHESTER.—Wanted, lady Assistant; quick and persuasive at Counter, good Window-dresser, careful Dispenser; please state experience, with references, age, and salary required. A. P. Golden, M.P.S., 26 Stockport Road, Levenshulme.

MANCHESTER.—Experienced qualified Lady Assistant required for permanency in Middle-class business; no Sunday duty; must be quick at the Counter and have some knowledge of Window-dressing. State salary required, experience, and when an interview can be arranged, to 246/23, Office of this Paper.

A VACANCY has occurred for an Apprentice in the well-known Dispensing establishment of Davies & John, Old Bond Street, Bath; applicants must be well educated and have passed the Preliminary Examination or been granted exemption.

ASSISTANT, single, outdoors, for good-class Pharmacy near London; must have good knowledge of Dispensing and Photography. Age, height, experience, references, and salary required, in first letter, to 247/29, Office of this Paper.

ASSISTANT (male), age about 21 years, required (October 31st). Apply, with usual particulars, Thos. Davies, 485 King's Road, Chelsea, S.W. 10.

ASSISTANT, accustomed to quick Retail and Dispensing, including N.H.I.; outdoors. Usual particulars to P. G. Tremlett, Chemist, Fratton Bridge, Portsmouth.

EXPERIENCED Assistant wanted, accustomed to good-class country business. Apply, giving full particulars, and stating salary required, also send photo if possible, 245/31, Office of this Paper.

IMPROVER required. Apply personally, 14 Muirkirk Road, Catford, S.E. 6.

JUNIOR, unqualified, for Light Retail business; no N.H.I. Dispensing; easy hours; no Sunday or holiday duties; outdoors; give particulars of experience, salary required, references, and photo, if possible. T. E. Hirst, Pharmacist, Slaithwaite, near Huddersfield.

JUNIOR or Improver (male or female), for Counter and N.H.I. Dispensing; energetic and reliable worker. Apply, stating experience, salary required, and references, to Ascott's, 1098 Harrow Road, N.W.

MESSRS. DAVIES & JOHN, Bath, require (immediately) Senior qualified Assistant in high-class Dispensing establishment; first-class experience and references absolutely essential; must be tall, of smart appearance, and between the ages of 35 and 45; will applicants please state salary required, and, if possible, enclose photograph. An exceptionally smart unqualified Assistant would be considered.

PART-TIME Assistant (Junior) wanted for evenings and Saturdays, for good-class business. Apply, by letter, stating age, experience, hours available, and salary required, C. B., 20 New Street, Dorset Square, N.W. 1.

PHARMACEUTICAL SOCIETY OF IRELAND.

THE Council of this Society will, on November 8, 1921, proceed to the appointment of an Examiner to conduct the Pharmaceutical and General Chemistry Division of the Pharmaceutical Licence Examination, subject to the approval of His Excellency the Lord-Lieutenant and the Privy Council of Ireland.

Full particulars will be supplied by the Registrar, with whom applications should be lodged not later than the 31st instant.

ARTHUR T. FERRALL,
Registrar.

67 Lower Mount Street, Dublin,
October 10, 1921.

QUALIFIED Assistant required; a high-class Pharmacy; superior education, good appearance, polished manners, and sound pharmaceutical training necessary; permanent, progressive; written applications, preferably with photographs. The Manager, Philip Harris & Co. (1913), Ltd., 144 Edmund Street, Birmingham.

WANTED, for business near Plymouth, reliable Assistant, with good experience; quick and accurate Dispenser and Counter Hand, with knowledge of Photography; married preferred; vacant premises over business. Full particulars and references, with salary required, to W. G. Day, Courtenay Villa, Stoke, Plymouth.

YOUNG lady as Saleswoman, Stockkeeper, etc. (not Dispenser). Apply, personally, to Quin & Axtens, Ltd., Drug Department, 418 Brixton Road, S.W. 9.

WHOLESALE.

The Advertiser may, if referred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

DRUGGISTS' Sundriesman required by London Wholesale and Export house; state experience, age, and wages required. P.C.B. 49/38, Office of this Paper.

MANUFACTURERS of Combs (French), importing also other Toilet goods, require Representatives on commission only, calling Retail; whole-time or side-line; London and country. Apply P.C.B. 49/12, Office of this Paper.

MILL Man wanted by Wholesale Druggists, S.E. London. Write, stating experience, age, and wages required, to 45/43, Office of this Paper.

PROFITABLE high-class side line. Manufacturer introducing and widely advertising very attractive Toilet Preparation can place same as side-line on generous commission and bonus basis with travellers already representing first-class firms. Write, in confidence, stating full particulars and district covered, to 242/26, Office of this Paper.

REPRESENTATIVE wanted for London area with connection amongst Druggist Sundriesmen, Wholesale Drapers, Haberdashers, etc., to sell Dressing Combs on commission. Apply, by letter only, to F. L. Leighton, 111/113 Queen Victoria Street, E.C. 4.

REPRESENTATIVE required to sell high-grade French Perfumery in London district only; terms to be arranged mutually; only first-class men, with sound established connections, will be entertained. Reply, in strict confidence, in writing, giving full particulars, to J. Murray & Co., 31-3 High Holborn, W.C. 1.

REPRESENTATIVE, with an established connection amongst Chemists, Photographic Dealers, Opticians, Colleges, Hospitals, Infirmaries, China and Glass Dealers, required to sell Glassware Sundries; liberal commission; state experience and territory now covered and the numbers of journeys taken over this ground per annum. Apply 248/4, Office of this Paper.

REPRESENTATIVES required by manufacturers of high-class Toilet preparations for Wales and Scotland; offers of part services invited. Write "Pruh," 4-6 Muswell Hill Road, London, N. 6.

REPRESENTATIVES required with connection amoug Chemists, etc., in London, Home and Eastern Counties, and Birmingham district for sale of "Luton" Hat Dyes, "Auroral" Cold Water Dyes, Toilet Soaps, etc., on a commission basis. State particulars of present houses represented, territory covered, etc., to Robert W. Phillips, Ltd., Craven House, Kingsway, W.C. 2.

TRAVELLER, with good connection amongst Doctors and Chemists in London Suburbs and Home Counties, required by London Wholesale Druggists; salary and commission. Apply, with full details of previous experience and ground covered and average annual turnover, to 7/31D, Office of this Paper.

TRAVELLERS, calling upon high-class Chemists to sell on commission new line of high-grade Chocolates (supplied to Chemists only). Reply, in strict confidence, giving name of other firm represented, and ground covered, to "C. C." (243/29), Office of this Paper.

WANTED, a Representative to call on Chemists and Doctors. Applications by letter, which will be treated confidentially, stating age and experience, to Wilkinson & Simpson, Ltd., Wholesale Druggists, Newcastle-on-Tyne.

WANTED, smart Salesman calling on Chemists, Hairdressers, and Stores, to sell as a side-line a well-known Concentrated Floral Essence on commission; state ground worked and commission. Apply P.C.B. 47/34, Office of this Paper.

W. B. CARTWRIGHT, Ltd., Moorland Pharmacy Service, Rawdon, near Leeds.—We thank the many gentlemen who have written offering us their services for the territories advertised in last week's "Chemist and Druggist." The appointments in each case have now been decided upon. We are, however, open to receive applications for two more territories: (1) Eastern Counties; (2) South-Eastern Counties, excluding London. Give us all details in your first letter, age, experience, etc. We offer a good remunerative position to the selected applicants, and in exchange require energy, enterprise, and ability. The appointments are the outcome of our rapidly growing business, all our old representatives being still with us, and more enthusiastic than ever about "Moorland Lines," which are *the* proposition for discriminating Pharmacists to-day.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

INDIA.—Wanted, a Chemist, experienced in manufacturing Pharmaceutical Preparations, for a firm of Manufacturing Chemists in Bombay, on three or four years' agreement; second-class passage paid both ways. Apply, by letter, stating age, nationality, experience, with references, and state salary required, to William Allison & Co., 60 Gracechurch Street, London, E.C. 3.

INDIA.—Qualified Chemist required as Manager of Drug Department in Distributive House in India. Write, with fullest particulars, to Box 859, Sells' Advertising Offices, Fleet Street, E.C. 4.

ORANGE FREE STATE.—A qualified man wanting introduction to business in South Africa would meet with same by acting as Locum for six months, commencing April next; good salary and prospects to suitable man. Apply 244/22, Office of this Paper.

OPTICAL.—Refractionist, holding S.M.C. or B.O.A. diploma, required for high-class British firm in the East; age 25 to 33; single; excellent opening. Write, giving full details of experience, to Box 1064, Willings', Moorgate Arcade, E.C. 2.

SITUATIONS WANTED.

[HOME.]

RETAIL.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

A.A.A.—UNQUALIFIED (30), requires situation; disengaged; Dispensing, Counter, and Photography; salary 75s. weekly; West-End experience. Apply 50/8, Office of this Paper.

A.A.—QUALIFIED; 30; 11 years' experience; Dispensing, Counter, Photography, speaks French and Italian; reasonable salary; disengaged; trustworthy; married. Curran, 105 Dyer Street, Cirencester, Glos.

A.A.—LADY as Assistant (unqualified); 6½ years' experience; Counter and Dispensing. Apply 241/25, Office of this Paper.

A.A.—QUALIFIED (28); Manager or Assistant; good experience; excellent references. Terms to Vokins, 10 South Parade, York.

A.A.—COLLEGE silver medallist (1920); age 26; single; good experience Dispensing, Counter, and Photographic; excellent references. "Mylroi," 248 Hainton Avenue, Grimsby.

A.A.—REQUIRING change as Manager or Senior; permanent; Birmingham district preferred; 28; married; qualified; excellent references; where energies will be appreciated; free any time. Apply 247/31, Office of this Paper.

A COMPETENT Junior (unqualified); good Window-dresser; all-round experience; good references; disengaged shortly. Apply 246/40, Office of this Paper.

A JUNIOR seeks appointment in London, S.W.; six years' experience in good-class business, Retail and Dispensing. Apply "Aconite" (241/27), Office of this Paper.

A LADY Assistant, unqualified, experienced Dispensing, Counter, seeks position with good-class Chemist, London. Apply 247/22, Office of this Paper.

A QUALIFIED Chemist (48); disengaged; experienced, and accustomed N.H.I.; Locum, permanent, part time. "Statim," 94 Waterloo Road, S.E.

A WOMAN Dispenser (Hall), thoroughly experienced, wants work; would take charge Surgery. W., 110 Lower Richmond Road, Putney.

ABLE man of wide experience, including management, organisation, important buying, manufacturing, Retail, and considerable world travel salesmanship, proving tact, address, personality and business capacity, wishes to get in touch with Chemist looking for thoroughly reliable man of highest integrity and ability to manage his business or branch, gradually taking over on easy terms. For prospective retiring Chemist having keen regard for his connection and desirous of feeling satisfied that same will be cared for by a "second self" this is right opportunity. Advertiser is Ph.C., A.I.C., formerly Manager of one of principal London pharmacies, and wants to become permanently settled by New Year; country or seaside; Devon, South, or West England preferred; living accommodation, four rooms essential; £200 invested after satisfactory trial. Apply "Achates" (P.C.B. 49/15), Office of this Paper.

ACTIVE, reliable Assistant, 30, married, requires permanency; 12 years' good all-round experience (passed Part I.); abstainer; capable taking charge; Devon preferred, not essential. Tilley, 9 Rectory Lane, Surbiton.

ADVERTISER (34), qualified, desires part-time engagement; experienced Dispenser; used to taking charge; near Ealing preferred. Apply 239/37, Office of this Paper.

AN experienced Dispenser, Lady (Hall); excellent testimonials; experienced Hospital, Institution, and Surgery; in London or near. 247/1, Office of this Paper.

AS Assistant Dispenser; age 27; married; three years' experience as Assistant Dispenser and Dresser. M.L. 75250, Office of this Paper.

AS Manager or Locum; qualified; married; highest-class Dispensing; references; active; disengaged. "Chemist," 59a Klea Avenue, Clapham Park, S.W. 4.

ASSISTANT, 29, qualified, abstainer, seeks permanency in good-class business; London or provinces; would interview if possible. Apply 245/26, Office of this Paper.

ASSISTANT, unqualified, good all-round experience, wants post, preferably manage Drug Stores or accept post with no Dispensing; South Coast preferred. "Omega," 6 Harley Road, Newtown, Great Yarmouth.

ASSISTANT, qualified (27), requires post; good Dispenser; salary moderate; not afraid of work. F. L. Bridger, 28b Seaside, Eastbourne.

ASSISTANT; Analytical Pharmacy or Hospital; 22; married; London College of Pharmacy; six years' experience as Apprentice and Assistant. Apply M.L. 24880, Office of this Paper.

ASSISTANT; Wholesale or Retail; 23; educated Secondary School and Technical Training, Chelsea Polytechnic; seven years' experience as Assistant Dispenser. Apply M.L. 12235, Office of this Paper.

ASSISTANT Manager or Locum, 33, qualified, 16 years' Dispensing, Photographic, and Retail experience, seeks permanency, but would take part-time situation. Jameson, 39 Pepys Road, New Cross, S.E. 14.

ASSISTANT (21) desires post in Edinburgh or suburbs; high-class Dispensing and Retail; sound Photo experience; excellent references. Apply "Assistant," 42 Bristo Street, Edinburgh.

ASSISTANT, unqualified; six years' experience Counter, Dispensing, and Photographic; undeniable references; London or Eastern Counties preferred. Taylor, 9 St. John's Road, East Grinstead.

ASSISTANT, qualified, desires permanency in high-class Dispensing business; first-rate experience and references. Breckon, Danby, Yorkshire.

ASSISTANT (24) desires permanency; experienced in high-class Retail and Dispensing business; accept £2 17s. 6d.; highest references. E. Marshall, 9 Arthur Street, Aldershot.

ASSISTANT, competent, accurate, neat, steady; middle-aged; married (no family); unqualified; Prescriber, Extractor, Dispenser, Stockkeeper, and Counterman; well recommended; highest character; disengaged; interview. Powell, 38 Heygate Avenue, Southend.

ASSISTANT, unqualified (30), tall, requires post; Dispensing, Counter, Photography; London experience; good references. "Statim," 17 Marlborough Road, Ipswich.

ASSISTANT (23), referred Pharmacy, requires Dispensing experience; moderate salary; abstainer; Reading or London, W., preferred. 36 Talfourd Avenue, Reading.

ASSISTANT or Locum; unqualified; City and suburban experience; permanency preferred; disengaged. Morris, 43 Adolphus Street, Deptford, S.E. 8.

ASSISTANT, male (24), qualified, requires position; London district preferred; eight years' experience. F. R. Smith, 25 Roman Road, Colchester.

ASSISTANT (23), unqualified, requires situation, in or near Leicester, immediately; good Counter and Dispensing experience; willing worker; excellent references; outdoors; state salary offered. Barker, 20 Jenkins Street, Burslem.

ASSISTANT or Locum (28); married; competent all branches; take charge; excellent references; good Window-dresser, Salesman, and Counter-hand; energetic and trustworthy; state salary. "Unqualified" (246/24), Office of this Paper.

ASSISTANT (26), eight years' Retail, good references, seeks easy-hour berth; part-time entertained. 246/34, Office of this Paper.

ASSISTANT, unqualified; long and varied experience; London and country; very good references; moderate salary; disengaged. Apply 248/9, Office of this Paper.

ASSISTANT; passed Part I. and Part II. (all but Mat. Med.); 12 years' experience in high-class Pharmacy; age 28; Manchester or district preferred. J. B. Bray, The Vicarage, Ainsworth, near Bolton, Lancs.

BRANCH Manager; keen salesman, energetic; experienced City, West-End, and suburbs; can handle customers; understands photo; moderate salary. Apply 245/25, Office of this Paper.

BRANCH Manager, qualified, reliable, disengaged about October 20th; temporary work entertained. W. Howell, Ph.C., 5 Woodhouse Grove, Manor Park, E. 12.

BURNLEY or District.—Assistant (26); unqualified; experienced Photographic, Dispensing, Counter, etc. R. Sunderland, 7 Keighley Road, Colne.

CAPABLE man (35) seeks change; 18 years' London Departmental Stores experience; thorough knowledge of Buying Patents, Sundries, and Surgical, also controlling staff. R. T., 84 Monthorne Road, S.W. 11.

CHEMIST'S Assistant or Manager, Drug Store; unqualified; middle-age; married; good Prescriber, Counterman, and Dispenser; very active; excellent references; could invest £100 in business. "Rhei" (248/6), Office of this Paper.

CLERICAL.—Evening work of any kind; writing up accounts and posting up books; terms moderate. Write "F. G." (245/21), Office of this Paper.

COMPETENT Assistant; qualified; 25; disengaged now; locum or permanency; energetic and trustworthy; any district. "M.P.S.," 32 Alnwick Road, Tyne Dock, South Shields.

DAILY Relief, London area; Counter, Dispensing, Window-dressing; good all-round experience. Apply 245/16, Office of this Paper.

DEVON preferred; Assistant; 31; tall; seven years' experience; disengaged; moderate salary. R. Siddall, 17 Westbourne Avenue, Rhyl, N.W.

DISPENSER (lady), Minor qualification, requires post, Hospital, Doctor, or as Dispenser in business; excellent testimonials; has taken Locum duty in two leading Hospitals. "M.P.S.," Hillcrest, Lowdham, Notts.

DISPENSER; age 26; good experience; X-Ray Operator and Electrician; General, Medical, Hospital, and Chemical experience. Apply M.L. 10619, Office of this Paper.

DOCTOR'S Dispenser, lady, Hall qualification, desires post; two years' experience; London district. Write, Boreham, Broadway, Hanwell, near Ealing.

ENERGETIC young lady desires post; Counter and Dispensing experience; one subject left to complete Hall. Apply 245/33, Office of this Paper.

EVENING or part-time duties required by male unqualified Assistant; Dispensing, Counter, and Photographic. 9 Campbell Road, Walthamstow.

EVENINGS.—Pharmacist (24), University and Square trained, studying Medicine, requires position; London district; competent Supervisor, Dispensing and Counter routine. Apply 247/34, Office of this Paper.

EXPERIENCED Assistant, unqualified, desires post end October; outdoors; married; good references; 16 years last situation; London or suburbs preferred. "Statim," 18 Hanover Street, Leeds.

EXPERIENCED Pharmacist, competent as Manager or otherwise; good Counterman, Prescriber, and Dispenser; excellent references. "M.P.S.," 5 Rutland Street, Colne, Lancs.

LADY Dispenser, qualified, disengaged end October, requires post with Doctor; Medical and Hospital experience; references; seaside, country, or market town preferable. Apply Taylor, The Wood, Rixton, Warrington, Lancs.

LADY Dispenser-Bookkeeper (Hall) desires post with Doctor or Institution; experienced; permanency. "Dispenser," 10 Gauden Road, Clapham, S.W. 4.

LADY can be highly recommended; 6 years' experience Counter, Window-dressing, etc. Apply Humphrey, Chemist, Cleethorpes.

LADY Pharmacist, qualified 10 years, desires first-class appointment; whole or part time; excellent experiences and references; London. Apply 246/31, Office of this Paper.

LADY Dispenser, Minor qualification, desires post; South Wales preferred; experienced; disengaged; references, etc. Apply 247/20, Office of this Paper.

LADY requires position as Departmental Manageress, or willing to work up a small business; good experience of Sundries trade. Apply 247/14, Office of this Paper.

LIVERPOOL District or Cheshire.—Branch Manager, Locum, or Assistant, qualified; references good; terms moderate; interview; cash for partnership if required; disengaged; registered Dentist. Brewerton, 7 Oxford Street, Liverpool.

LOCUM, disengaged; country; qualified; 54; energetic; first-class experience and references, Optics, Photography; booking forward. Dewey, 121 Stafford Road, Wallington, Surrey.

LOCUM or Manager; qualified; 39; first-class experience and references. H. Cooper, 3G Portman Mansions, Baker Street.

LOCUM or Manager; qualified; high-class Dispensing; thoroughly experienced; highest references. "Vita," Strong, Chemist, Stow-on-the-Wold.

LOCUM, qualified; thoroughly experienced all branches, and capable of taking entire charge; highest credentials. Benney, Egloskerry, North Cornwall.

MR. CAMPLIN, Chemist, Horsham, can thoroughly recommend Manager who is shortly leaving him; qualified, highly efficient, and expert Optician.

MANAGER or Senior, 15 years' first-class West-End and provincial experience, seeks responsible position; good personality. "Aspirin" (245/37), Office of this Paper.

MANAGER, permanent or temporary; age 50; 6 ft.; varied experience. "Major Pharmacist," Commercial Hotel, Shotley Bridge, Durham.

MANAGER, Assistant, temporary, permanency; good varied experience; disengaged; excellent references. "Chemicus," 79 Cecil Street, Manchester, S.

MANAGER or Assistant; 38; educated Edinburgh University; thoroughly experienced; conversant with medical profession. Apply M.L. 77404, Office of this Paper.

MANAGER or Assistant; qualified; 24; well experienced in Counter work and Dispensing. J. M. Gregory, 20 Eccleston Street, Wigan.

MANAGER or Assistant; 31; good Salesman, Window-dresser; keen Buyer, Dispenser; abstainer; unqualified; London only; disengaged. "Statim," 114 South Park Road, Wimbledon, S.W.

MANAGER, Assistant, Partner in branch; good varied experience; disengaged. "Chemicus," 79 Cecil Street, Manchester, S.

MINOR, lady, desires post, Hospital or Retail; experienced; London preferred. Hughes, 606 Harrow Road, Paddington.

PART-TIME, Saturdays, whole or half day; Pharmacist; 30; tall; experienced; good Dispenser. Carter, 20 South Parade, Chelsea, S.W. 3.

PART-TIME, evening and Saturday afternoons; unqualified; attending College. B. A. S., 247 Coldharbour Lane, S.W. 9.

PERMANENT or Relief; 38; unqualified; Dispensing, Counter, Stock; not afraid of work; references. Turner, 44 Macfarlane Road, Shepherd's Bush, W. 12.

PHARMACEUTICAL Chemist (32) offers evening services to Chemist or Chemist-Optician; North London preferred. Apply 243/13, Office of this Paper.

PHARMACIST, ex-Service, who sacrificed excellent prospects early in the war, desires engagement with view to management or responsible position in the near future; disengaged through transfer; age 42; single; good appearance, and energetic; excellent references in every respect; initial salary not so important as right berth, where services of gentleman of proved ability will be recognised. "Immediate," 24 Laurel Grove, Southport.

PHARMACIST, 26, competent, energetic, thoroughly experienced and well recommended, desires any post. King, 2 Culmington Road, Ealing, W. 13.

PHARMACIST (31), married, West-End Dispensing and Counter experience, desires position as Manager, with or without succession. 247/2, Office of this Paper.

QUALIFIED; 27, tall, gentlemanly, energetic; all-round experience; well recommended by all; temporary or otherwise; assist or manager. Apply 245/30, Office of this Paper.

QUALIFIED (22); tall, good Dispensing experience, desires position in good-class business; excellent references. L. Williamson, Swan Bank, Congleton.

QUALIFIED; single, 39; good all-round experience; South Coast preferred; last berth in West-End 2½ years; disengaged. Sansom, 40 Victoria Road, S.E. 19.

QUALIFIED; 23; energetic, tall; Photography; North or Midlands. Thirlwell, Willington, Durham.

QUALIFIED, 24, good Dispensing and Retail experience, good references, requires permanent berth; Midlands preferred, but not essential. Moreton, 84 Gadsby Street, Nuneaton.

QUALIFIED, West-End, town, and country experience, desires post with or without prospects of partnership or purchase; Midlands preferred; excellent references. Best, 120 Whitaker Road, Derby.

QUALIFIED, 23, tall, requires permanency; all-round experience; good references. Birkumshaw, Holmgate, Clay Cross, Derbyshire.

QUALIFIED, active, elderly man as Manager; good Counterman, Dispenser, Prescriber, and references; London or country. Address 235/8, Office of this Paper.

QUALIFIED, recent exam.; West-End Dispensing and quick Store experience; first-class references; age 28. Leake, 28 Melrose Avenue, Cricklewood.

QUALIFIED (30), desires situation with easy hours, where he can devote time to study; please state particulars. Replies, 246/14, Office of this Paper.

QUALIFIED; 50; energetic and capable; last situation 8 years as Branch Manager; disposal of business cause of leaving; first-class references; disengaged. "Chemist," 22 Sherwood Street, Fallowfield, Manchester.

QUALIFIED, 29, good experience Counter, Dispensing, Photography, desires permanency. Wright, 651 Liverpool Road, Platt Bridge, Wigan.

QUALIFIED (24), tall, single, first-class Dispensing experience, knowledge Photography, desires position in good-class Pharmacy. Apply 248/2, Office of this Paper.

SMART, experienced Pharmacist; Manager, Locum, or permanency preferred; town or Home Counties; up-to-date in modern business methods; married; disengaged. "Tristan," 56 Fox Hill, S.E. 19.

SOUTHPORT DISTRICT.—Young, qualified, Square man desires engagement here in good-class Pharmacy. "G.," 8 Hythe-bridge Street, Oxford.

UNQUALIFIED; 22; good all-round experience; excellent reference. D. Owen, 1 Oxford Arcade, Penmaenmawr.

UNQUALIFIED Assistant; trained; age 28; height 5 ft. 11 in.; experience eight years; disengaged 17th October, 1921. Johnstone, Jessamine House, Pontypool.

UNQUALIFIED; Sootchman; 25; tall; experienced Salesman and Window-dresser; Dispensing and Photography; £3 3s. per week; London or near. Apply 244/18, Office of this Paper.

UNQUALIFIED; good all-round experience; married; as Manager or Assistant, with view to succession. Evans, 20 Hayward Avenue, Cliffe Road, Strood.

UNQUALIFIED; good all-round experience Photographic, Agricultural; reliable; 5½ years last situation; permanency desired. "H.," 61 Castle Street, Kendal.

UNQUALIFIED; 38; experienced Salesman and Window-dresser; capable organiser; Dispensing and Photography; £3 10s. per week; London or near. Apply 247/13, Office of this Paper.

WORTHING.—Clerical post required by qualified lady Dispenser; 10 years' experience; experienced also as Correspondence Clerk to Chemist. 246/33, Office of this Paper.

YOUTH, age 16, passed Preliminary, seeks appointment as Apprentice to Pharmaceutical Chemist in London. Write to Lapsker, c/o Mrs. Flatau, Federation House, George Lane, Woodford, E. 18.

YOUNG French Chemist offers services as evening Assistant; no salary to commence. Chevalier, 49 Dolben Street, S.E. 1.

WHOLESALE.

ACCOUNTANT-SECRETARY, A.O.R.A., A.I.S.A. desires permanent position; 12 years' varied experience; able to take complete control of books, and prepare final accounts; accustomed to control of large staff, and capable organiser; knowledge of Drug trade. Apply 244/19, Office of this Paper.

Price-lists, trade circulars, samples, and printed matter in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

ADVERTISER (28) seeks situation; 9 years Warehouse Checker and Dispatch Clerk; good knowledge Drugs, Sundries, etc.; excellent references. P.C.B. 49/37, Office of this Paper.

ADVERTISER, 31, long Retail experience, wishes to represent reliable house; salary and commission. "L.," 114 South Park Road, Wimbledon.

ADVERTISER, young, energetic, possessing brains and intelligence, seeks berth where personality and initiative count; Wholesale, Representation, etc. 246/340, Office of this Paper.

EX-SERVICE man, 22, with good theoretical knowledge of Chemistry; one year's practical experience in Chemical factories; educated Secondary School, University of Wales. Apply M.L. 7238/21, Office of this Paper.

GENTLEMAN, 15 years' first-class experience in Pharmacy, thorough knowledge of Drugs and Therapeutics, anxious to represent good house; good personality. Apply 245/370, Office of this Paper.

MANUFACTURERS.—Traveller, over 20 years' experience, sound connection, Midlands, etc., is open for one other line; terms, commission and part expenses; firms with good selling lines and who are not out for something for nothing need only reply. Apply 241/26, Office of this Paper.

MANUFACTURING Chemist, 24, educated Hartley University, fluent Spanish; good knowledge Chemistry, manufacturing and Pharmaceutical, buying experience, wishes to go abroad; Spain or Spanish-speaking countries. Apply M.L. 13256, Office of this Paper.

PERFUMERY House can secure immediate business in the Midlands by writing "Salesman" (246/35), Office of this Paper.

REPRESENTATIVE, covering London postal area, desires engagement with house of repute; excellent references. Miller, 105 Elgin Avenue, W.

SALES Manager; 38; married; educated Royal Technical College, Glasgow; French, German (fairly fluent), and some Russian; expert knowledge of pure Chemicals and Pharmaceuticals, also of Essential Oils and Flavouring Essences; experienced in administrative control of travelling staff and sales organisation in above lines. Apply M.L. 13550, Office of this Paper.

SALESMAN, Manager, or Buyer in the Chemical trade; 37; single; 15 years' experience as Junior to Departmental Manager, 1 year as Buyer and Salesman to Chemical Merchants, also 2 years' experience as Manager of Chemical Department for General Merchants. M.L. 2915/21, Office of this Paper.

TRAVELLER, 15 years' experience, big connection among Chemists and Fancy Dealers in North of England, desires engagement. Apply 245/17, Office of this Paper.

TRAVELLER, covering Berks, Bucks, Oxon, Beds, Hants, Surrey, with advertised proprietary article, is free to represent other houses. Apply H. H. Long, M.P.S., 110 Southampton Street, Reading.

TWO Galenical workers require berths; 25-30; charge or Assistants; first-class experience manufacture B.P., B.P.C. preparations; disengaged; excellent references; wages moderate. "H. P.," 8 Lainson Street, S.W. 18.

WORKS Manager or similar capacity.—Pharmaceutical Chemist, with long experience of Toilet and Perfumery Goods, Soaps, Packed Specialities, and General Pharmaceutical Manufacturing, accustomed to control of labour, seeks post. Apply P.C.B. 50/12, Office of this Paper.

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